

INSTALLATION & OPERATION GUIDE

628 & 698 MODELS



borg &
overström



A Z U R E

Technical Manual

628 & 698 Models

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Technical Manual

Section 1

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Range Overview

A comprehensive range of watercoolers, available in two different operational types:

- **“Classic”- Reservoir Model** [Cold Water Storage Tank]
- **“Direct Chill” Model** [No Stored Drinking Water]

Both types are available as:

- **Floorstanding**
- **Countertop**

All Reservoir models are available as either

- **Cold and Ambient**
- **Hot and Cold**

Direct Chill models are currently only available as Cold and Ambient.

All types

All b & o “Classic” & “Direct Chill” models are self contained machines with robust steel sided cabinets and attractively moulded front and top panels.

An IEC Power Lead is supplied for connection to the IEC socket found on the rear of all models.

Floorstanding Models

All are supplied with an opening lower door and are prefitted with a removable filter mounting bracket. A water inlet fitting is provided to the bottom right hand corner.

(Adjustable feet will be standard from 2009).

Countertop Models

A void is provided with the front panel area to accommodate most filter types where external installation in an under cabinet is not possible.

“Classic” Reservoir Model:

Water is fed into the reservoir via the Float Valve mounted in the Tank Lid. The Float Valve controls the water level in the tank. Ensure a Pressure Reducing Valve is fitted to all supplies greater than 3.5 bar pressure.

The Baffle Plate inside the Cold Tank maintains separation between the lower chilled water and upper ambient water. (The cooling system only chills water in the lower part of the Cold Tank).

Dispense is at gravity pressure only via push operated Taps.

The Cold Temperature is thermostatically controlled via the adjustment screw on the back of the machine. This is factory set and is not necessary to adjust in most cases. (See Controls)

On Hot & Cold versions, the Hot Tank is fed with ambient temperature water from the upper area of the Cold Tank.

The Hot Temperature is thermostatically controlled with sensors on the outside of the Hot Tank. These are preset and are not adjustable. The system is designed so that the Hot Tank is impossible to run dry under normal usage. Running dry can only occur if the inlet water is drained using the Drainage Point provided. In the event of running dry the Overheat sensor would switch off the heater until manually reset.

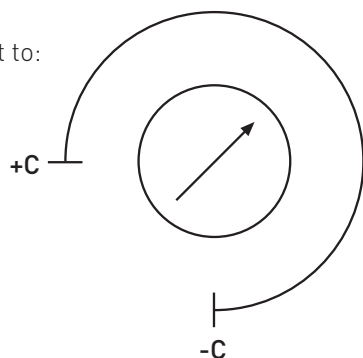
Controls

Cold & Ambient Models

Electrical On/Of switch - At upper rear of machine. Switches on Cooling Operation.

Cold Thermostat - At rear of machine. On Classic models and inside the machine, next to the Chill Tank, on DC Models.

Factory set to:



NB: Turn clockwise to decrease water temperature

Ambient Tap

Press downwards to dispense Ambient water

Cold Tap

Press downwards to dispense Cold Water

Green LED (Top)

Colours to show Cooling Operation is switched on

Yellow LED (Bottom)

Colours to show when compressor is operating

Hot & Cold Machines:

Electrical On/Off Switches

At upper rear of machine

Cold - Switches on Cooling Operation

Hot - Switches on Heating Operation

10A Fuse

At upper rear of machine

Hot Tap

Lift Safety Tag and press downwards to dispense Hot Water

Cold Tap

Press downwards to dispense Cold Water

Green LED (Top)

Colours to show Cooling Operation is switched on

Yellow LED (Middle)

Shows when heating mode is switched on

Red LED (Bottom)

Colours to show when main heater is operating (i.e. Off when water is at temperature)

Hot Tank Overheat Reset Button

On sensor on side of Hot Tank (Press to operate if required. Ensure electrical power is disconnected before doing so).

Technical Manual

Section 2

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CW698

Installation and Operational Guide

IMPORTANT - the guide must be read before attempting to connect the machine.

Introduction

Congratulations on your wise choice of water cooler. Your Borg & Overström water cooler will provide you with a continuous supply of water 24 hours a day. To ensure that his product will always perform as it truly should, the user should initially read this manual thoroughly and follow all the instructions before operation of the unit commences.

Installation

The water connection to the Borg & Overström water cooler is via a 1/4" supply. The connection can either be made utilising the bulk head connector found at the rear of the machine or by connecting an in-line straight connector direct to the pipe inside the rear of the machine. It is advisable that in any case an in-line isolation tap should be installed on the supply just behind the machine in case of emergency.

Operation Method

1. Having connected the water supply to the rear of the machine, the water supply should be turned on and you will hear the reservoir within the machine start to fill. Once this has stopped filling, the entire tank should then be drained and allowed to refill before operation of the machine commences. If in any doubt at this stage please add some sanitisation fluid to your initial tank of water so as to flush the machine before use. Once the machine has refilled with water the machine can be connected to the mains supply and switched on. The switch at the rear of the machine then needs to be turned on before operation can commence.

NB. If your water cooler has a hot water facility please allow time for the hot tank to fill up before turning on. To draw water into the hot tank, the hot tap must be held open until water starts to dispense.

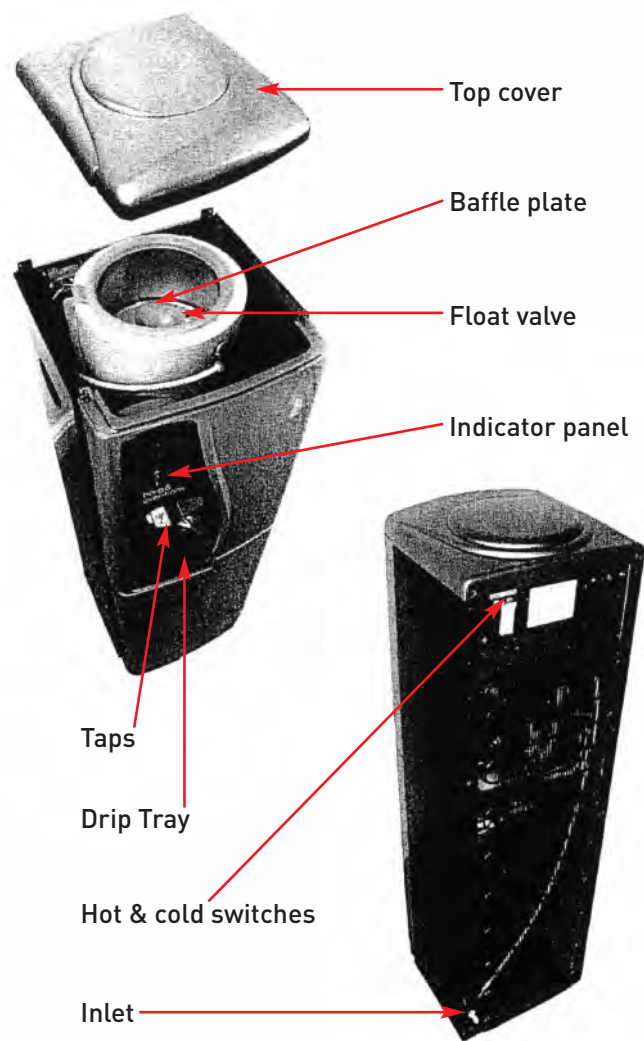
2. Both LEDs on the display panel should now be showing. After initial chilling operation has been completed the chilling lens will go off, which is the bottom of the two lenses showing.

Machine Positioning

1. It is important that at least 10cm is left between the back of the machine and the surface against which it is placed. This is to ensure that the machine does not in any way overheat.

2. The machine must be kept away from any direct sunlight.

3. It is important that the machine is connected to an RCD connected supply making doubly sure that the voltage supply is compatible with the machine.



Sanitisation & Cleaning

1. Please make sure that the machine has been disconnected from the electrical supply before any cleaning commences.

2. The lid of the machine should be removed exposing the inside of the water tank. Now press both the cold tap and the ambient tap to drain all the water from the reservoir until no water can be seen. Remove the baffle plate found in the centre of the tank passing it around the float valve to remove it completely. At this stage it is possible to see whether any water has been left in the base of the tank. A hundred millilitres of sanitising fluid can now be tipped into the reservoir.

3. The water can be turned on again briefly to half fill the reservoir with sanitising fluid. The upper half of the reservoir should be cleaned utilising sanitisation wipes supplied by Azure. Whilst the sanitisation fluid is having its effect, please clean the external casing with Azure sanitisation wipes. Once the sanitisation fluid has been left for a satisfactory period of time, please flush the water cooler through at least once by turning the water back on. When this has been completed, the machine can be reassembled and your sanitisation is complete. Please now switch the power back on. If you have any question regarding sanitisation please do not hesitate to ring Azure Head Office on 0845 4 50 30 90.

DC698

Installation and Operational Guide

IMPORTANT - the guide must be read before attempting to connect the machine.

Introduction

Congratulations on your wise choice of water cooler. Your Borg & Overström water cooler will provide you with a continuous supply of water 24 hours a day. To ensure that his product will always perform as it truly should, the user should initially read this manual thoroughly and follow all the instructions before operation of the unit commences.

Installation

The water connection to the Borg & Overström water cooler is via a 1/4" supply. The connection can either be made utilising the bulk head connector found at the rear of the machine or by connecting an in-line straight connector direct to the pipe inside the rear of the machine. It is advisable that in any case an in-line isolation tap should be installed on the supply just behind the machine in case of emergency.

Operation Method

1. Having connected the water supply to the rear of the machine, the water supply should be turned on and you will hear the header tank and ice bank starting to fill. Once this has stopped filling, the machine can be connected to the mains supply and switched on. The switch at the rear of the machine then needs to be turned on before operation can commence.

NB. If your water cooler has a hot water facility please allow time for the hot tank to fill up before turning on. To draw water into the hot tank, the hot tap must be held open until water starts to dispense.

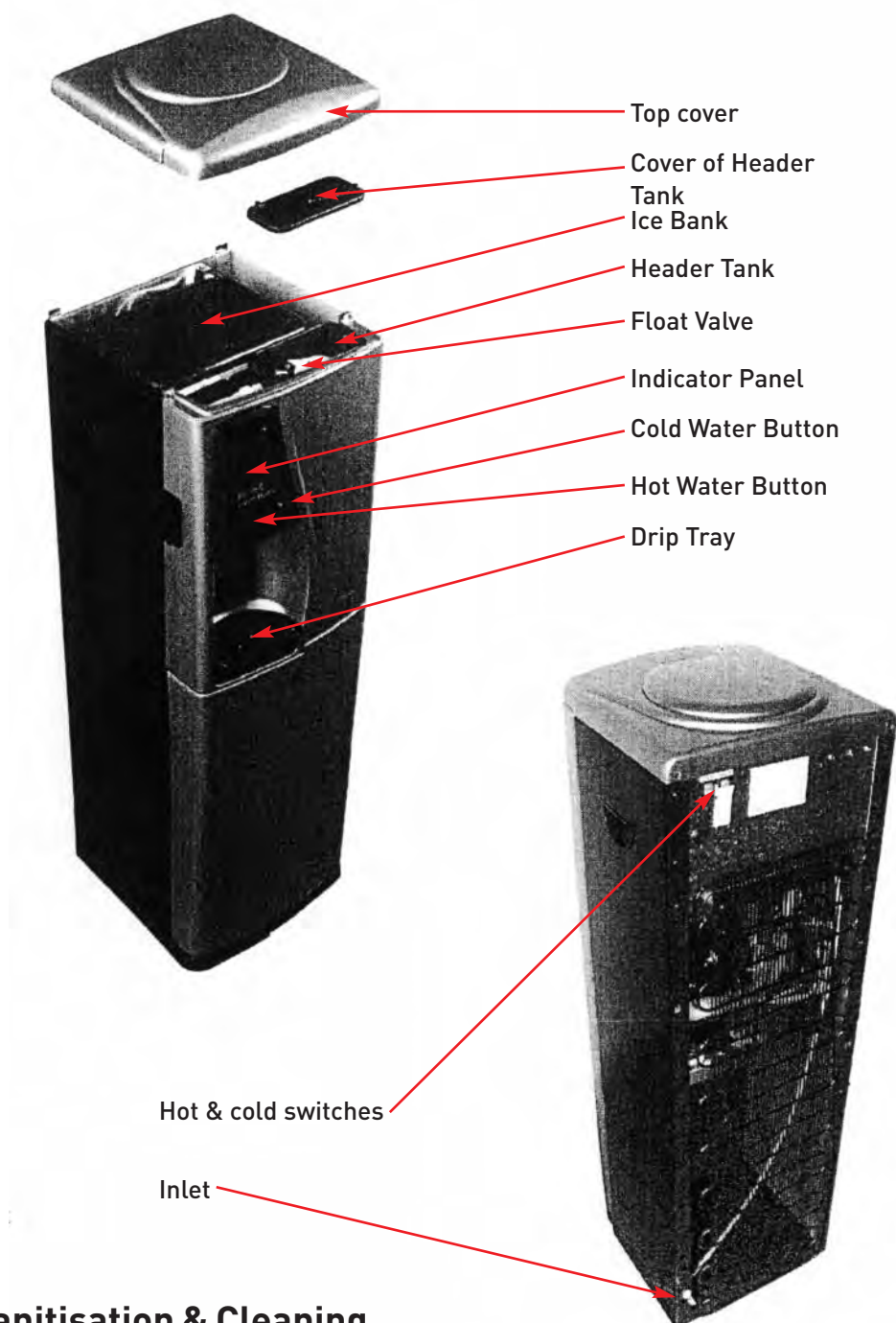
2. Both LEDs on the display panel should now be showing. After initial chilling operation has been completed the chilling lens will go off, which is the bottom of the two lenses showing.

Machine Positioning

1. It is important that at least 10cm is left between the back of the machine and the surface against which it is placed. This is to ensure that the machine does not in any way overheat.

2. The machine must be kept away from any direct sunlight.

3. It is important that the machine is connected to an RCD connected supply making doubly sure that the voltage supply is compatible with the machine.



Sanitisation & Cleaning

1. To commence sanitisation, simply isolate the water supply and remove the filter cartridge.
2. Having removed the filter cartridge you now connect the dosing cartridge supplied by Azure with 125ml of sanitisation fluid inside.
3. Now simply hold on the cold and ambient water button until the sanitisation until the sanitisation fluid has been flushed through the system.
4. The last stage is to fully clean the external casing with Azure sanitisation wipes. When this has been completed your sanitisation is complete.

If you have any question regarding sanitisation please do not hesitate to ring Azure Head Office on 0845 4 50 30 90.

CW628

Installation and Operational Guide

IMPORTANT - the guide must be read before attempting to connect the machine.

Introduction

Congratulations on your wise choice of water cooler. Your Borg & Overström water cooler will provide you with a continuous supply of water 24 hours a day. To ensure that his product will always perform as it truly should, the user should initially read this manual thoroughly and follow all the instructions before operation of the unit commences.

Installation

The water connection to the Borg & Overström water cooler is via a 1/4" supply. The connection can either be made utilising the bulk head connector found at the rear of the machine or by connecting an in-line straight connector direct to the pipe inside the rear of the machine. It is advisable that in any case an in-line isolation tap should be installed on the supply just behind the machine in case of emergency.

Operation Method

1. Having connected the water supply to the rear of the machine, the water supply should be turned on and you will hear the reservoir within the machine start to fill. Once this has stopped filling, the entire tank should then be drained and allowed to refill before operation of the machine commences. If in any doubt at this stage please add some sanitisation fluid to your initial tank of water so as to flush the machine before use. Once the machine has refilled with water the machine can be connected to the mains supply and switched on. The switch at the rear of the machine then needs to be turned on before operation can commence.

NB. If your water cooler has a hot water facility please allow time for the hot tank to fill up before turning on. To draw water into the hot tank, the hot tap must be held open until water starts to dispense.

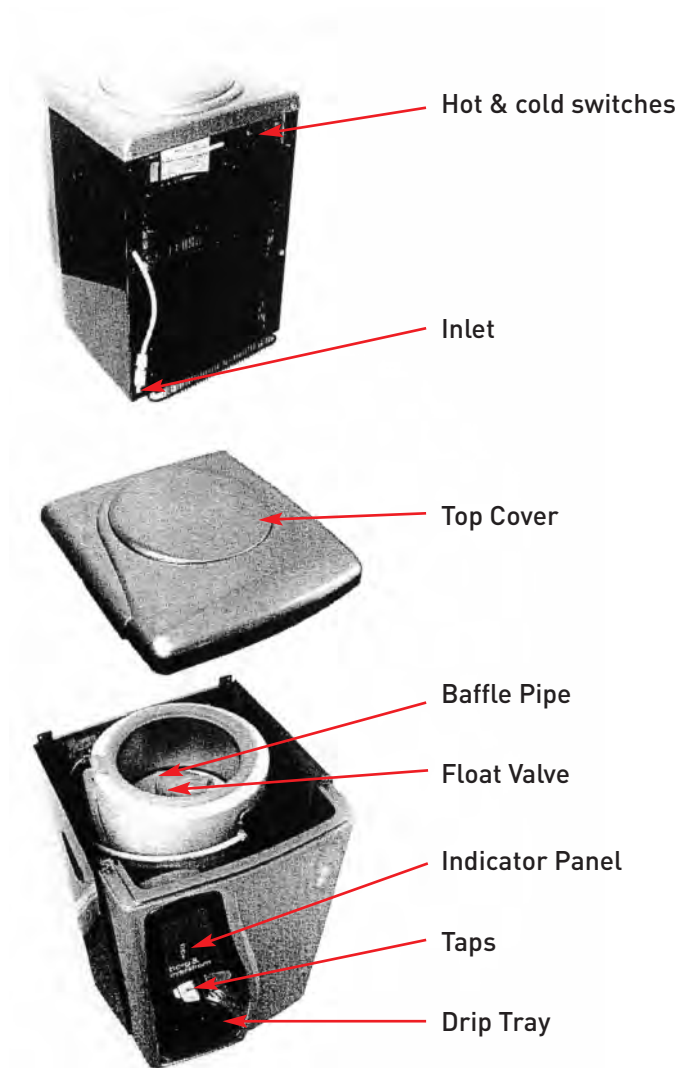
2. Both LEDs on the display panel should now be showing. After initial chilling operation has been completed the chilling lens will go off, which is the bottom of the two lenses showing.

Machine Positioning

1. It is important that at least 10cm is left between the back of the machine and the surface against which it is placed. This is to ensure that the machine does not in any way overheat.

2. The machine must be kept away from any direct sunlight.

3. It is important that the machine is connected to an RCD connected supply making doubly sure that the voltage supply is compatible with the machine.



Sanitisation & Cleaning

1. Please make sure that the machine has been disconnected from the electrical supply before any cleaning commences.

2. The lid of the machine should be removed exposing the inside of the water tank. Now press both the cold tap and the ambient tap to drain all the water from the reservoir until no water can be seen. Remove the baffle plate found in the centre of the tank passing it around the float valve to remove it completely. At this stage it is possible to see whether any water has been left in the base of the tank. A hundred millilitres of sanitising fluid can now be tipped into the reservoir.

3. The water can be turned on again briefly to half fill the reservoir with sanitising fluid. The upper half of the reservoir should be cleaned utilising sanitisation wipes supplied by Azure. Whilst the sanitisation fluid is having its effect, please clean the external casing with Azure sanitisation wipes. Once the sanitisation fluid has been left for a satisfactory period of time, please flush the water cooler through at least once by turning the water back on. When this has been completed, the machine can be reassembled and your sanitisation is complete. Please now switch the power back on. If you have any question regarding sanitisation please do not hesitate to ring Azure Head Office on 0845 4 50 30 90.

Cup Dispenser

1. Carefully unpack and inspect for damage.
2. Select fitting position (Normally at top of right hand side panel towards front of machine).
3. Attach self adhesive pad to mounting bracket and affix to chosen site
(Clean area first to ensure good adhesion).
4. Additionally, self tapping screws can also be used to ensure a secure fitting.

LEAK DETECTOR

Installation and Operational Guide

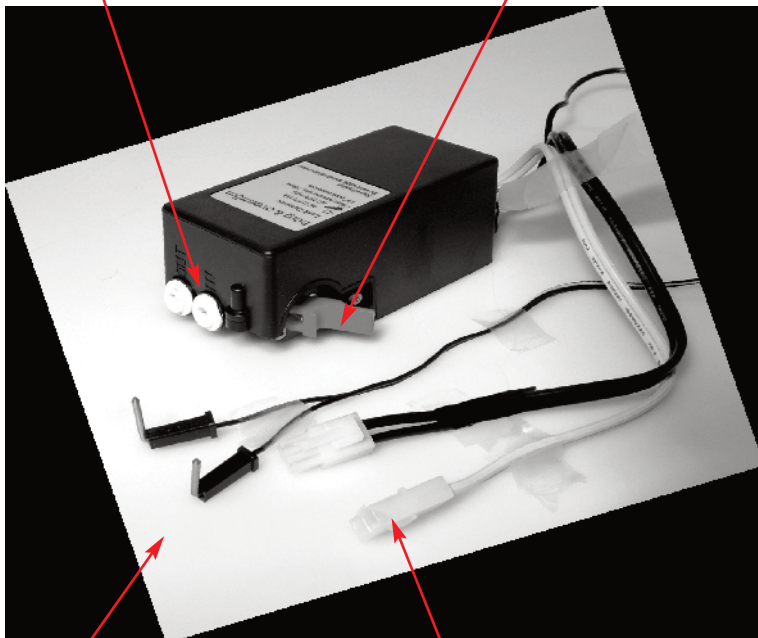
IMPORTANT - the guide must be read before attempting to connect the machine.

Introduction

Congratulations, you have chosen wisely to add a Leak Detector to your Borg & Overström water cooler. This product does not in anyway provide a guarantee or insurance against any flooding but provides the means of added prevention. Please ensure that you read this manual thoroughly before proceeding, and take note of the installation and operation procedures to achieve the best results.

Inlet and Outlet

Re-set switch



Probes

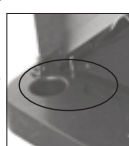
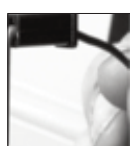
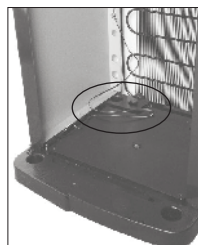
Connection plugs



Installation & Operation

This product can only be used in conjunction with a Borg & Overström water cooler.

Please follow the step-by-step procedures for installation:



1. Please fix the Leak Detector as high as possible within the machine. Ensure that the red lever has sufficient space to be activated. It is imperative that the electrical connections are facing upwards and the water pipe is installed into the base of the Leak Controller and that the Leak Controller is mounted vertically.
2. The detection probes can now be fixed into their locating holes in the channel within the base plate.
3. The inlet and outlet connection ports for the water are connected via 1/4" push fit fittings. The pipe already located within the machine must be connected to the outport on the machine and the supply feed coming into the machine must therefore be placed into the inport. Find a connection plug within the back of the machine where the power supply comes in. Please part the two sections of this connection plug and plug your Leak Controller into these two connections. Note: This will only work one way round (you cannot get it wrong).
4. Your Leak Detector is now ready for operation. Please ensure that the red lever is in the closed position before plugging in your Borg & Overström water cooler to the mains supply.

RESETTING DETECTOR

In the unlikely event of a leak from a Borg & Overström machine the water detector will automatically shut off both the power and incoming water supply. Please follow the following procedures to reset the detector to regain normal operation.

LEAKS & REPAIRS

1. Unplug the machine from the electrical supply. Initially the machine must be left unplugged whilst the repair is being carried out.
2. Identify the cause of the leak and replace any necessary parts. Once this has been carried out thoroughly dry out the channel in the base of the cooler. The probes should then be removed from their locating positions, thoroughly dried and placed back into position.
3. Now push the red lever back into its normal position so as to return to operation. The power can now be switched back on to the cooler and the machine is ready for operation.
4. In the unlikely event that the red lever should trigger once more, then procedures 1 to 3 should be carried out again.
5. Please note that the electrical power to the machine, not just within the machine, must be disconnected for at least 5 seconds to enable the device to reset. A shorter on-off-on cycle time is unlikely to be long enough, and the machine on/off switch will not cut the power to the device.

In the event of any queries please call Technical Support on 0845 4 50 30 90.

Installing the Level Sensor

698/698H Models:

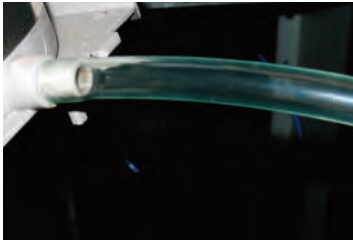


Fig.1



Fig.2

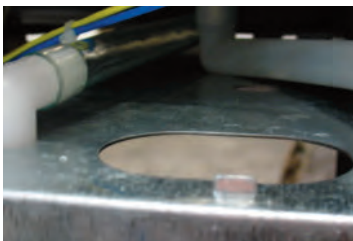


Fig.3



Fig.4

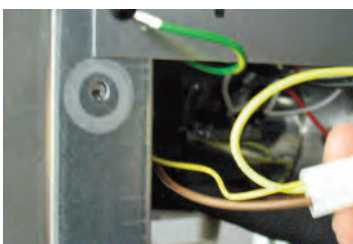


Fig.5

1. Ensure water and electricity supplies to machine are switched off.
2. Remove Tap Cover Panel and disconnect PCB
3. Remove Front Panel. (Be ready to catch Lower Door when lifting Front Panel Clear)
4. Carefully remove screws from rear condenser panel and gently ease panel away.
5. Fit short drainage tube to drainage outlet on rear on Front Panel (with any curve running up in centre as shown in picture 1)
6. Refit Front Panel (and Lower Door) routing drainage tubing under Hot Tank towards back of machine.
7. Fit Drainage Elbow fitting (see picture 2)
8. Position Elbow through hole in shelf (picture 3) and hold in position by fitting second drainage tube from underside (see picture 4)
9. Position Drainage Tank in lower compartment
10. Fit Control Unit to inside wall of lower compartment with self-adhesive pad as supplied
11. Connect small wiring to Float Switch assembly on tank
12. Disconnect main wiring terminal block (See picture 5) and insert Control Unit wiring. (The terminals are individually configured to ensure correct order of connection).
13. Carefully refit the rear condenser panel and turn on the inlet supplies
14. The Level Sensor is now ready for use. The Control unit will bleep when the tank requires emptying after which it will automatically reset.

For further help and advice, please contact:
Azure Technical Support
Tel: ++ (0) 1362 656926
service@azureuk.co.uk

The Waste Kit

- Remove Filter Bracket from base of machine and place container inside
- Remove top lid. This will allow access to the rear of the drip tray area.
- Connect the 2 lengths of silicone tube together using the 90 degree elbow
- Connect the shorter length to stem on the rear of the drip tray area.
- Feed the tube to the back of the machine where it can be directed into the base.
Connect to the lid of the container.
- Remove the bung from the stem of the drip tray and the machine can now be put into service.

Technical Manual

Section 3

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Sanitisation Guide

Direct Chill Water Coolers

Turn off incoming mains water, briefly press dispense button(s) to release internal water pressure from the machine and remove filter. If possible temporarily shut off inlet to any hot tank as sanitisation of a hot tank in continuous use is unnecessary.

Add 100 ml of a proprietary sanitisation fluid to a clean and empty service filter cartridge/dosing device and connect into machine. Always ensure to use a reputable branded sanitisation fluid for effective action.

Please note: We recommend using a 3% Hydrogen Peroxide concentration base sanitising fluid of reputable manufacture to the appropriate dilution ratios as supplied with the product or typically 1:30 max. (Stronger concentrations will require larger dilution rates).

Please remember that most sanitisation fluids (including ozone) contain an active caustic/alkaline agent. Always use responsibly and with care remembering that due to its alkaline nature unnecessary concentrated/prolonged contact with any materials, including metals, can cause damage. Always rinse all contact surfaces after use with clean water.

Turn on incoming water, allow service cartridge/doser to fill and then draw off at least 1 litre of water for the machine to ingest the solution. Leave solution for 10 minutes inside machine for sanitisation to take effect. During this time thoroughly clean the machine externally. For this we recommend the use of proprietary disposable sanitisation wipes. Pay particular attention to the dispense faucet and the push button controls. Remember to include the drip tray. If a Waste Overflow System is fitted, this may benefit from flushing through with a small amount of dilute sanitisation fluid. Optionally you may replace the dispense faucet and/or descale it.

After a satisfactory period of time, flush the machine with at least 10 litres of clean water to clear any trace of the sanitisation fluid. Optionally use test strips to check.

Turn off water and remove the service filter/doser and fit a new filter of reputable quality and suited to the site conditions. We recommend pre-flushing the new filter to reduce any risk of any loose media in the filter entering the solenoid valves and possibly causing a malfunction. Retain the service cartridge/doser for reuse.

Turn on incoming water supply and carefully ensure the thorough sanitising of the outside of the machine is completed. Reconnect power and reset any service/filter life monitors accordingly. Ensure any hot tank inlet is reconnected and the tank is purged of air before switching heater on again.

ALWAYS ENSURE ANY RESIDUAL AIR HAS BEEN PURGED FROM BOTH COLD AND HOT SYSTEMS AND ALL IS OPERATIONAL BEFORE LEAVING.

Sanitisation Guide

Reservoir Water Coolers

Please make sure that the machine has both been switched off and disconnected from the electrical supply and that the water is turned off, use the taps (and drain point if fitted) to drain off all the water, before any cleaning commences.

The lid of both the machine and the tank should be removed exposing the inside of the water tank. Remove the baffle plate found in the centre of the tank. Any lime scale or mineral deposits should first be removed by manual scrubbing with a non-metallic sponge-scouring pad. For stubborn deposits, most domestic brand stainless steel cleaners can also be used.

If your machine is a Hot & Cold machine please ensure that the inlet to the hot tank is closed off sufficiently to prevent sanitisation fluid entering the hot system.

If using a service dosing cartridge, please now go straight to no 4. At this stage it is possible to see whether any water has been left in the base of the tank, 100ml of sanitising fluid can now be tipped into the reservoir. (We recommend a hydrogen peroxide base sanitising fluid of reputable manufacture using the dilution ratios as supplied with the product.)

Remove the existing filter and install a filter head to suit the service cartridge if necessary. Empty 100ml of sanitisation fluid into the service cartridge and connect the cartridge to the filter head.

The water can be turned on again briefly to half fill the reservoir, forming a sanitising solution. The upper half of the reservoir should be cleaned with sanitisation wipes. Leave for 10 minutes to effect sanitisation, whilst the sanitisation solution is having its effect, please fully clean the external casing with sanitisation wipes, ensuring particular attention is paid to the faucets. Once the sanitisation fluid has been left for a satisfactory period of time please flush the water cooler through at least once with clean water.

When this has been completed, the machine can be reassembled and your sanitisation is complete. Always remember to replace the filter(s) with the appropriate type(s). (Retain service/dosing cartridges for reuse.) Please now switch the power back on.

Ozonation is another alternative, but not a recommended method, as we believe the opportunity should always be taken to inspect the machine internally, remove any scale or mineral build-ups and take interventive action where appropriate.

ALWAYS PURGE AIR FROM THE COLD AND HOT SYSTEM BEFORE SWITCHING POWER ON AGAIN.

Descaling Guide

Reservoir Model

Scale deposits will occur whenever water is heated. Higher deposits will occur with harder water and higher temperatures. Although scale deposits can be reduced through using softened water this is not necessarily desirable due to the adverse effect on taste. Therefore, it is important that descaling is carried out regularly to maintain the high efficiency of operation of your appliance.

The frequency of descaling depends on the hardness of the water and the intensity of usage in each case. At least every 12 months is highly recommended. Although it is primarily the Hot Tank (Water Heater) that requires descaling, it is also necessary to sometimes carry out some in the cold tank.

Please note: Descaling is to remove the inevitable build up of limescale and should not be confused with sanitisation, which is a different procedure for maintaining the necessary hygiene standards for drinking water.

1. Switch off the power and water supply. Drain off water, including Hot Tank. It may be beneficial at this stage to flush through the hot tank with clean water to remove as much loose scale as possible if the tank appears particularly scaled up.
2. Carefully fill a suitable pouring jug with approx 2 ½ litres of hot water and add the correct amount of descaler relevant to the enclosed instructions for safe and effective use.
3. Remove the Top Cover from the appliance (and the lid covering the cold tank on later models). Carefully remove the Float Valve and Baffle Plate from the Cold Tank.
4. Slowly pour the descaling solution into the Cold Tank. This will drain directly into the Hot Tank. Continue to add the solution until it also just begins to fill the Cold Tank too. Leave the solution to react with the limescale as directed.
5. Should limescale be present in Cold Tank, carefully treat the areas concerned using the same solution. Also, treat any removed parts such as the Float Valve, after checking the directions for use for compatibility. Similarly, if the outlet taps need treatment, dispense a little solution to draw it into the taps. Examine the small black rubber water stop seal on the Float Valve for any damage or wear and replace if necessary. **DO NOT ROTATE THE SEAL IF IT IS NOT BEING REPLACED AS THIS COULD AFFECT ITS WATER SEAL SEATING AND ALLOW SEEPAGE.**
6. After an appropriate time, carefully scrub any surface scale to remove it taking care not to damage the part. If scrubbing of the inside of the taps is required, remove the Front Panel of the appliance and carefully dismantle the taps by unscrewing the ring under the lever and then drawing the lever mechanism upwards out of the body. **N.B. Before removing the taps, drain off any remaining solution in the cold tank.**
7. Reassemble any removed parts as necessary and flush appliance through thoroughly with mains water as directed (Carry out sanitisation procedure at this point if desired).
8. Finally, allow appliance to refill, check for any leaks and switch on power supply.

Technical Manual

Section 4

R E S E R V O I R M O D E L S

Trouble Shooting Fault Diagnosis Guide (1)

No Water Dispenses

Problem/ Report	Possible Cause	Suggested Action
No Water Dispenses		
Ambient Water too warm	<p>Water Supply turned off (and Tank empty)</p> <p>“Waterblock” tripped off (and Tank empty)</p> <p>“Leak detector” (if fitted) tripped off (and Tank Empty)</p> <p>Faulty Tap (and tank full)</p> <p>Reservoir Float Valve jammed up (and Tank empty)</p> <p>Blocked Tank outlets/pipes</p>	<p>Check all Taps/valves/ filters on incoming supply are fitted and are turned on.</p> <p>Reset “Waterblock” (and check for any leaks)</p> <p>Turn off elec and water and reset (Check for leaks)</p> <p>Check Tap action. Dismantle Tap and replace complete or just washer, as needed.</p> <p>Replace/adjust position/repair as needed</p> <p>Check and unblock/replace as needed</p>
From Cold Tap	<p>Firstly all as for Ambient Tap</p> <p>Cold area of tank frozen - Thermostat set too low</p> <p>Cold area of tank frozen – Faulty Thermostat</p>	<p>Carry out checks and actions as for ambient tap.</p> <p>Thaw out and increase Cold Water temperature set point.</p> <p>Thaw out and check and replace Cold Thermostat</p>
From Hot Tap	<p>Firstly all as for Ambient Tap</p> <p>Airlock in dispense pipe work</p> <p>Tank very heavily scaled up</p>	<p>Carry out checks and actions as for ambient tap.</p> <p>Unblock/replace Hot Water Pipe and Hot Vent Pipe (Check water level showing in Hot Vent Pipe)</p> <p>Replace Tank</p>

Trouble Shooting Fault Diagnosis Guide (2)

Water Dispenses but Not Correct Temperature

Problem/ Report	Possible Cause	Suggested Action
Water Dispenses But Not Correct Temperature		
Ambient Water too warm	<p>Low usage and heat from compressor influencing stored water</p> <p>High usage and fed from water supply pipe in warm ducting</p>	<p>Check Tank Insulation fitted and / or advise customer</p> <p>Advise customer</p>
Cold water not Cold	<p>Compressor runs and switching off (cool/warm to touch) - Thermostat set too high</p> <p>Faulty Thermostat</p> <p>Compressor runs but not Switching off (Hot to touch)</p> <p>Refrigeration problem</p> <p>Compressor not running at all</p> <p>No elec power supply</p> <p>Thermostat faulty</p> <p>Compressor only hums slightly/ briefly</p> <p>Relays loose</p> <p>Compressor Faulty</p> <p>Cold Tank Baffle Plate Not Connected</p>	<p>Decrease Cold Thermostat set point</p> <p>Replace Thermostat</p> <p>Replace Thermostat</p> <p>Contact Azure Technical Support</p> <p>Contact Azure Technical Support</p> <p>Check power cord connected and live, and machine is switched on.</p> <p>Replace thermostat</p> <p>Check and replace relays</p> <p>Check and refit relays</p> <p>Contact Azure Technical Support</p> <p>Refit Baffle Plate</p>

Trouble Shooting Fault Diagnosis Guide (3)

Water Not Hot

Problem/ Report	Possible Cause	Suggested Action
Hot Water Not Hot		
Ambient Temp only	Heating operation switched off (No Yellow LED) Heating operation tripped off (No Yellow LED) Break in supply wiring to control circuit	Switch on Reset Overheat Button on Hot Tank Locate break and repair
Warm Temperature - not hot	Main reheat element not working (Red LED on all the time)	Check supply voltage and current to Heater Band and replace accordingly
	Hot tank heavily scaled up (signs of scale in top of Cold Tank, loud boiling noises etc)	Check supply voltage and current to Hot Thermostat and replace accordingly
	Break in supply wiring to main element	Carry out thorough descale/ complete replacement of Hot Tank Locate and repair break

Trouble Shooting Fault Diagnosis Guide (4)

Water Leaks

Problem/ Report	Possible Cause	Suggested Action
Water Leaks		
Water lying on top edge of lower door panel and / or bottom of machine	Overflowing Drip Tray	Empty Drip Tray
Water lying in bottom of machine or on mid shelf	Leak in supply inlet pipe--work and / or filter Leak from machine hose or tubing Overflowing Cold Tank	Locate and repair accordingly Locate and repair accordingly
	Water pressure too high Jammed Float Valve Split Float Valve Washer Overflowing Cold Tank (Hot Tank exclusively seated) Hot Tank thermistor probe faulty (Pre 0708 models only) Control Board Failure (Pre 0708 models only) Condensation from tank or Cold Water Pipe	Check pressure and fit pressure reducing valve if needed Check and repair float valve Replace washer Replace Hot Tank Check and replace Probe (Conversion Kit recommended) Check and replace Main Control Board (Conversion Kit recommended) Check insulation and repair/replace accordingly

Trouble Shooting Fault Diagnosis Guide (5)

Miscellaneous

Problem/ Report	Possible Cause	Suggested Action
Miscellaneous		
Bleeping Noise	Level Sensor fitted and Tank full	Empty Level Sensor Tank
No LED Lights	No electricity to Machin Faulty PCB (Machine working normally otherwise)	Check power supply and reconnect as necessary (Also check out other symptoms as described separately) Replace PCB
Machine shakes on Start-Up	Compressor Starting Level Surface Uneven Surface Missing Fittings	No action needed. This is quite normal. Level up machine (Adjustable feet from early 2009) Replace missing fittings
Tripping out Electricity supply	Machine in high humidity environment Electrical circuitry faults	Discuss possible repositioning with customer Test, identify and address accordingly. (Contact Azure Technical Support for further advice)

DIRECT CHILL MODELS ONLY
Trouble Shooting Fault Diagnosis Guide (6)
No Water Dispenses

Problem/ Report	Possible Cause	Suggested Action
No Water Dispenses		
From Ambient Valve	Water Supply turned off	Check all Taps/valves/ filters on incoming supply are fitted and are turned on.
	No Electricity/Power Supply	Check power cord connected and live and machine is switched on.
	“Waterblock” tripped off (and Tank empty)	Reset “Waterblock” (and check for any leaks)
	Faulty Solenoid Valve	Check valve action. Carefully dismantle valve and clean out/part replace/complete replace as needed. Valve clicking but no water-Check if hole in centre of washer is clear. Valve not clicking-Check whether voltage is present when operated (Caution-High Voltage). If not present check wiring for continuity and /or replace PCB. If present, replace solenoid coil/whole valve coil/whole valve assembly complete.

DIRECT CHILL MODELS ONLY

Trouble Shooting Fault Diagnosis Guide (6) continued

No Water Dispenses

Problem/ Report	Possible Cause	Suggested Action
No Water Dispenses		
From Cold Tap	Firstly all as for Ambient Tap	Carry out checks and actions as for ambient tap. Thaw out and check and replace Cold Water temperature set point. Thaw out and check and replace Air pump and or check electricity supply to pump present
	Chiller tank frozen - Faulty Thermostat Chiller tank Frozen-faulty air pump	
From Ambient or Cold Valve	Button Not being pressed enough Faulty PCB	Press button firmly. N.B. This could be caused by a surrounding cold environment making the action stiffer Replace PCB

DIRECT CHILL MODELS ONLY
Trouble Shooting Fault Diagnosis Guide (7)
Water Dispenses but Not Correct Temperature

Problem/ Report	Possible Cause	Suggested Action
Water Dispenses but Not Correct Temperature		
Ambient Water too warm	Low usage and / or fed from water supply pipe in warm ducting	Advise customer
Cold water not Cold	Compressor runs and switching off (cool/warm to touch) - Thermostat set too high <ul style="list-style-type: none">Faulty Thermostat	Decrease Cold Thermostat set point Replace Thermostat
	Compressor runs but not Switching off (Hot to touch) <ul style="list-style-type: none">Refrigeration problem	Contact Azure Technical Support
	Compressor not running at all No elec power supply	Check power cord connected and live, and machine is switched on.
	<ul style="list-style-type: none">Compressor only hums slightly/ brieflyRelays looseCompressor Faulty	Check and replace relays Check and refit relays Contact Azure Technical Support

DIRECT CHILL MODELS ONLY

Trouble Shooting Fault Diagnosis Guide (8)

Water Leaks

Problem/ Report	Possible Cause	Suggested Action
Water Leaks		
Water lying on top edge of lower door panel and / or bottom of machine.	Overflowing Drip Tray	Empty Drip Tray
	Leak in supply inlet pipe-work and / or filter	Locate and repair accordingly
Water lying in bottom of machine or on mid shelf	Leak from machine water pipework fittings	Locate and repair accordingly
	Overflowing Header Tank	
	• Water pressure too high	Check pressure and fit pressure reducing valve if needed
	• Jammed Float Valve	Check and repair float valve
	• Split Float Valve Washer	Replace washer

DIRECT CHILL MODELS ONLY

Trouble Shooting Fault Diagnosis Guide (9)

Miscellaneous

Problem/ Report	Possible Cause	Suggested Action
Miscellaneous		
Bleeping Noise	Level Sensor fitted and Tank full	Empty Level Sensor Tank
No LED Lights	No electricity to Machin Faulty PCB (Machine working normally otherwise)	Check power supply and reconnect as necessary (Also check out other symptoms as described separately) Replace PCB
Machine shakes on Start-Up	Compressor Starting Level Surface Uneven Surface Missing Fittings	No action needed. This is quite normal. Level up machine (Adjustable feet from early 2009) Replace missing fittings
Tripping out Electricity supply	Machine in high humidity environment Electrical circuitry faults	Discuss possible repositioning with customer Test, identify and address accordingly. (Contact Azure Technical Support for further advice)

DIRECT CHILL MODELS ONLY

Trouble Shooting Fault Diagnosis Guide (10)

Intermittent Water Dispense/Continuous Water Dispense

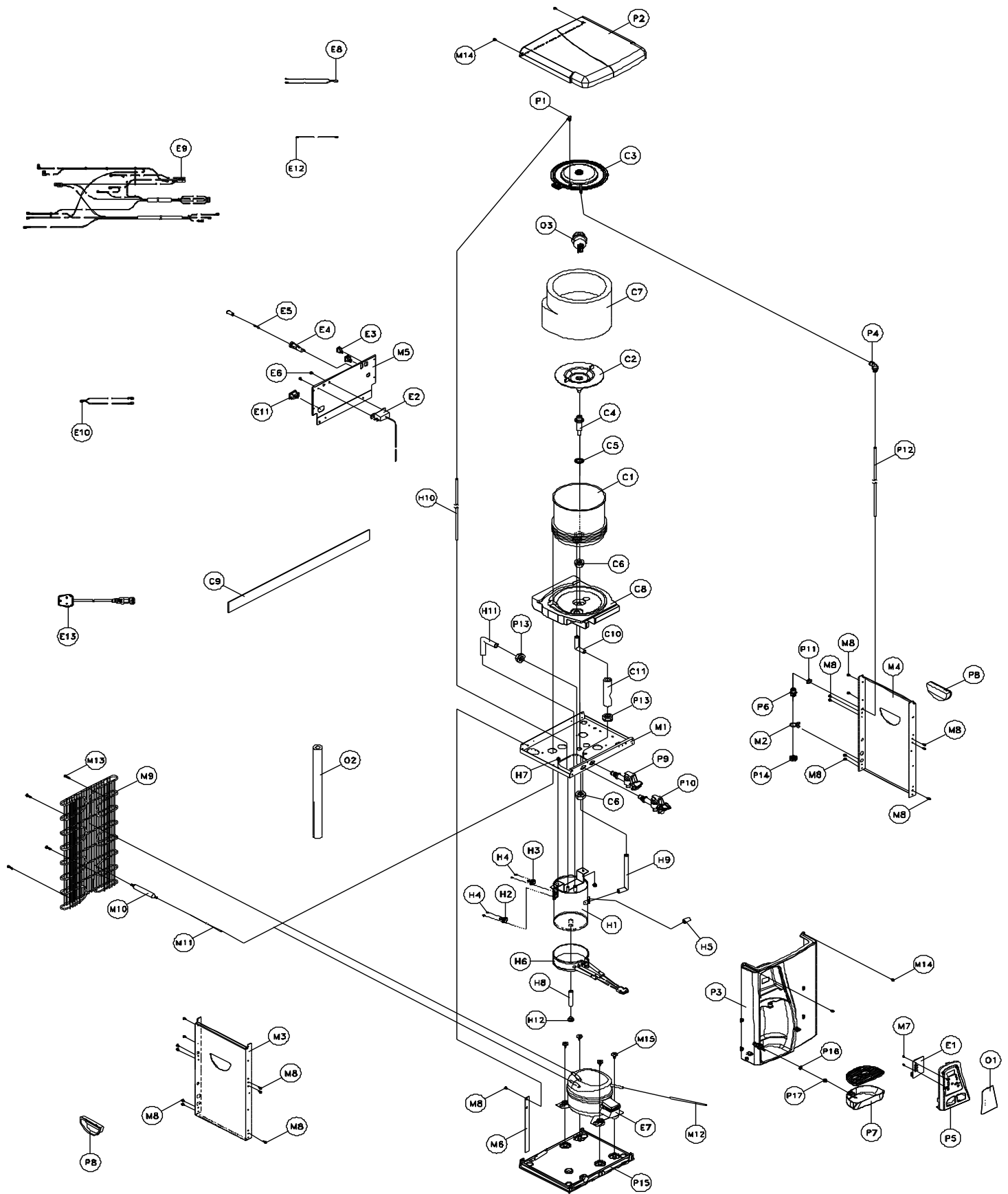
Problem/ Report	Possible Cause	Suggested Action
Slow but Continuous Water Dispense		
From Ambient or Cold Water Valve	Low incoming Water pressure	Consider replumbing to alternative supply if possible Fit Booster Pump Set
Intermittent Water Dispense		
From Ambient or Cold Water Valve	Trapped air in pipe work (especially where water pressure is low or after filter change) Button Not being pressed enough Faulty PCB	Hold button on to purge air out. (This could take several minutes where pressure is low) Pre flush filters Press button firmly N.B. This could be caused by a surrounding cold environment making the action stiffer Replace PCB
From Ambient or Cold Water Valve and hammering noise	Fluctuating mains water pressure situation	Contact Azure Technical Support regarding special replacement washers available
Continuous Water Dispense		
From Ambient or Cold Water Valve	Button jammed on/faulty Debris blocking hole in diaphragm window	Replace PCB and or/ button Panel as needed Dismantle Valve and clean out

Technical Manual

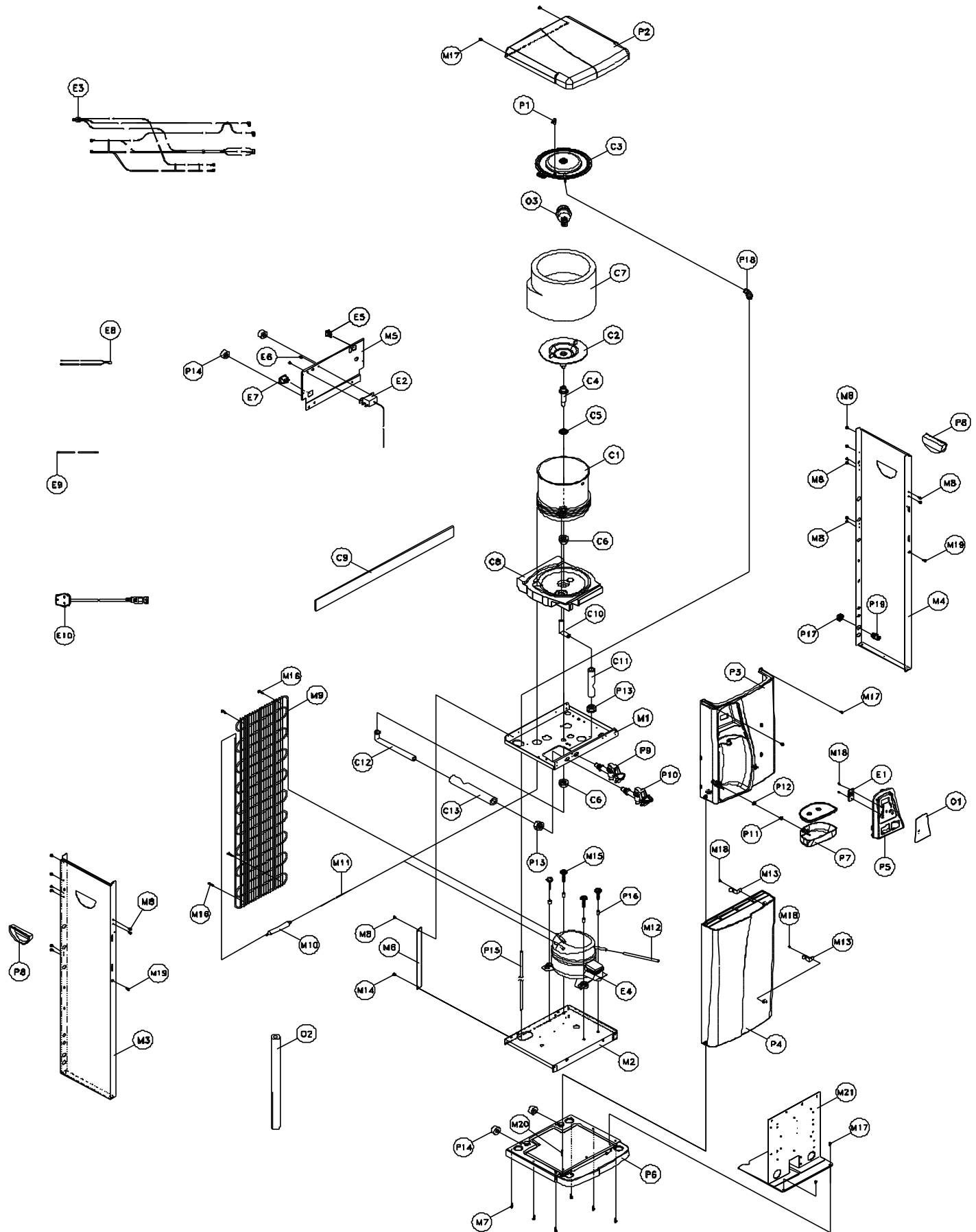
Section 5

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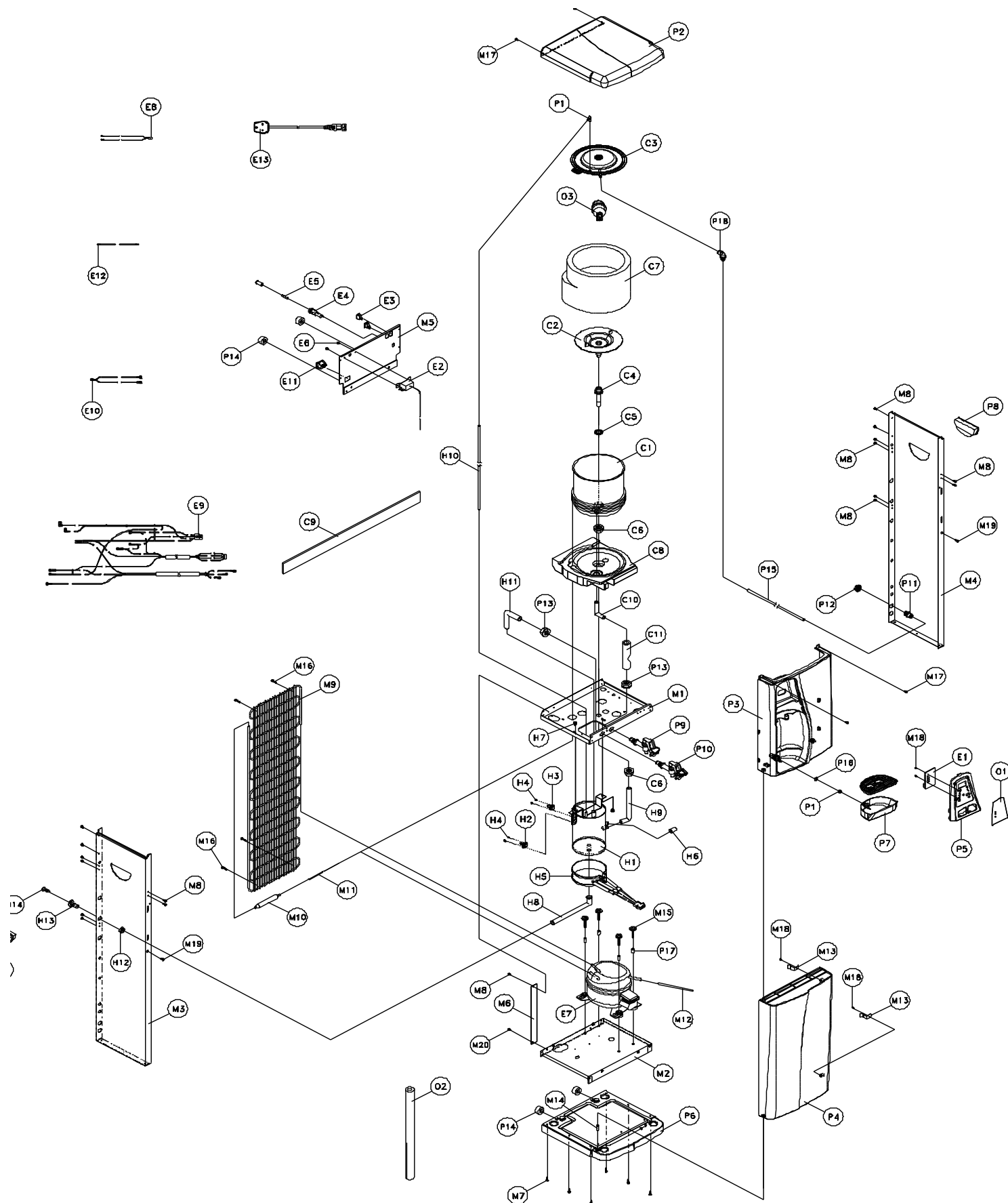




Borg & Overstrom Classic 628H
 Hot & Cold/Countertop
 Exploded Component View
 Production no 628-10H
 Jan 2009

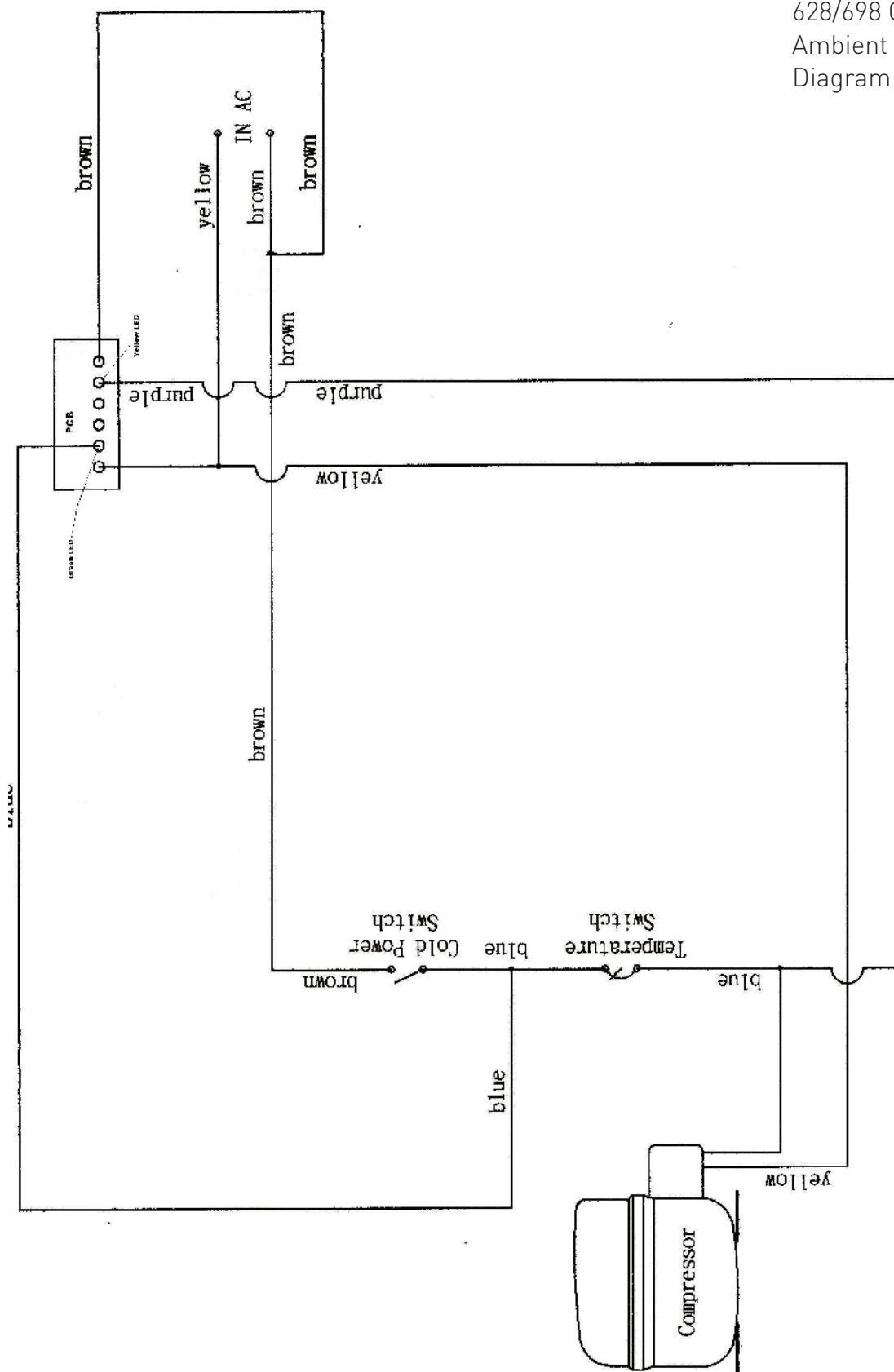


Borg & Overstrom Classic 698
Cold & Ambient/Floorstanding
Exploded Component View
Production no 698-10
Jan 2009

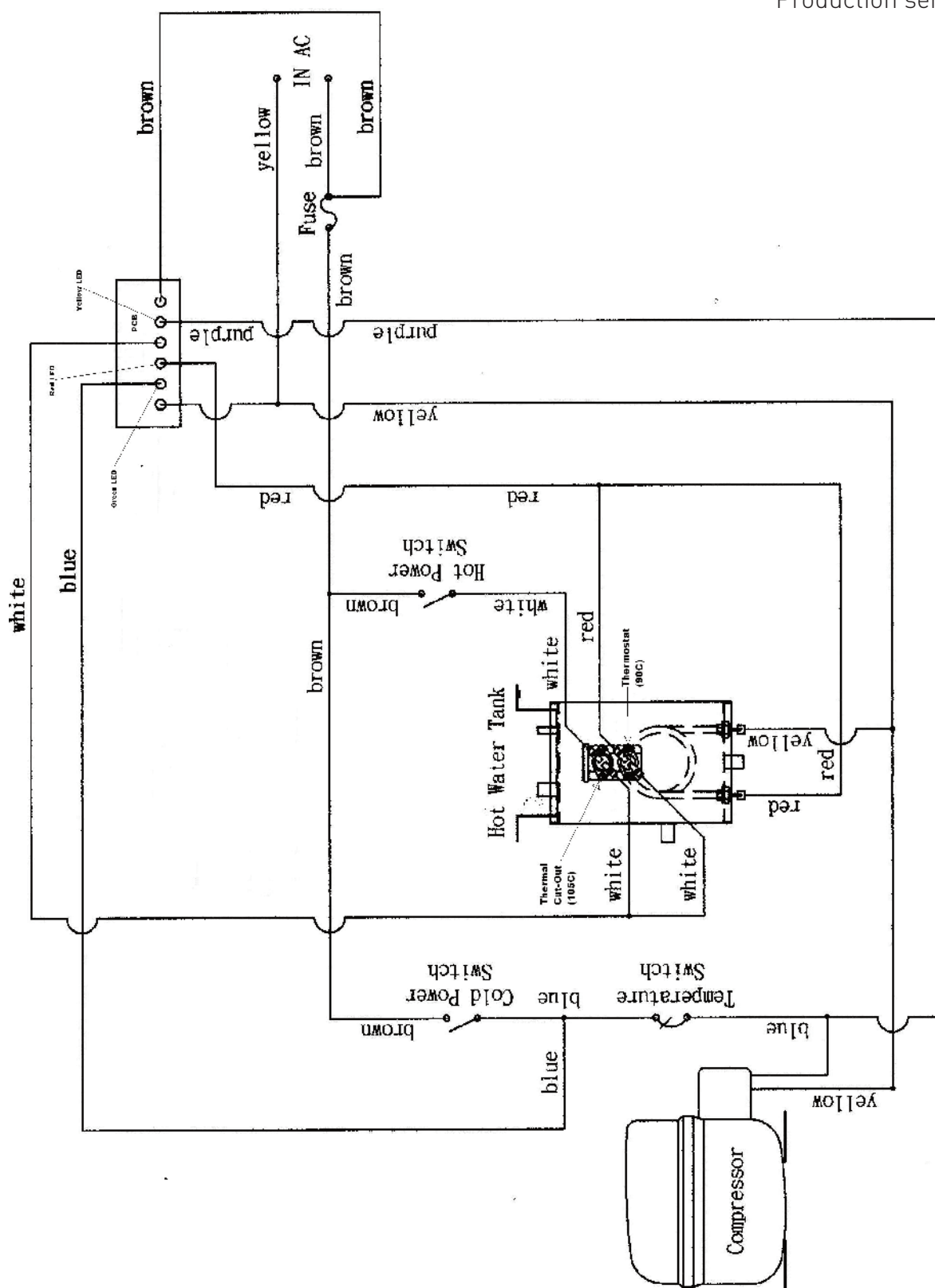


Borg & Overstrom Classic 698H
Hot & Cold/Floorstanding
Exploded Component View
Production no 698H-10
Jan 2009

Borg & Overstrom
628/698 Cold & Ambient
Ambient Electrical
Diagram



Borg & Overstrom
628/698 Hot & Cold
Production series No 10



Technical Manual

Section 6

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Azure Part No.	Azure Ref	QTY 628			QTY 698			Exploded Diagram Reference					
		C&A	H&C	DC	C&A	H&C	DC	CW628	628H	628DC	698	698H	698DC
123817	Inner Top Panel-Silver	1	1	1	1	1	1	P1	P1	P1	P1	P1	P1
123826	Inner Top Panel-Graphite	1	1	1	1	1	1	P1	P1	P1	P1	P1	P1
123815	Outer Top Panel-Silver	1	1	1	1	1	1	P2	P2	P2	P2	P2	P2
123826	Outer Top Panel-Graphite	1	1	1	1	1	1	P2	P2	P2	P2	P2	P2
120915	Front Panel Silver	1	1	1	1	1	1	P3	P3	P3	P3	P3	P3
120225	Front Panel-Graphite	1	1	1	1	1	1	P3	P3	P3	P3	P3	P3
120916	Door Panel-Silver	0	0	0	1	1	1				P4	P4	P4
120926	Door Panel-Graphite	0	0	0	1	1	1				P4	P4	P4
	Drainage Hose Elbow												
120915	Front Panel Silver(No Drip)	0	0	0	1	1	1				P3	P3	P3
120224	Front Panel Graphite(No Drip)	0	0	0	1	1	1				P3	P3	P3
125821	Drip Tray Set -Graphite	1	1	1	1	1	1	P7	P7	P7	P7	P7	P7
125811	Drip Tray Set -Silver	1	1	1	1	1	1	P7	P7	P7	P7	P7	P7
126824	Tap Cover Panel-Graphite	1	1	0	1	1	0	P5	P5	P5	P5	P5	P5
126825	Tap Cover Panel-DC	0	0	1	0	0	1			P5			P5
124951	698 Base Panel	0	0	0	1	1	1				P6	P5	P6
124251	628 Base Panel	1	1	1	0	0	0	P15	P15	P15			
142165	Cold Tap	1	1	0	1	1	0	P9	P9		P9	P9	
142265	Ambient Tap	1	0	0	1	0	0	P10			P10		P10
143281	Ambient Water tap tag	1	0	0	1	0	0						
142365	Hot Tap(with Safety Tag)	0	1	0	0	1	0		P10			P10	
143282	Hot Tap Safety Tag	0	1	0	0	1	0		P10			P10	
144071	Tap BackNut	4	4	0	4	4	0	C6	C6		C6/P13	C6	
131574	Condenser Panel Spacer	4	4	4	4	4	4				P14	P14	P14
131573	Drip Tray O-Ring	1	1	1	1	1	1	P16	P16	P16	P12	P16	P12
131572	Drip Tray Bung	1	1	1	1	1	1	P11	P17	P11	P11	P19	P11
121859	Side Handle	2	2	2	2	2	2	P8	P8	P8	P8	P8	P8
133411	Tank Lid	1	1	0	1	1	0	C3					
133412	Clip on Tank Lid	1	1	0	1	1	0		C3		C3	C3	
127842	Reservoir Shelf	1	1	1	1	1	1	M1	M1	M1	M1	M1	M1
127841	Compressor Shelf	0	0	0	1	1	1				M2	M2	M2
121955	698 Left Side Panel	0	0	0	1	1	1				M3	M3	M3
121956	698 Right Side Panel	0	0	0	1	1	1				M4	M4	M4
121255	628 Left Side Panel	1	1	1	0	0	0	M3	M3	M3			
121526	628 Right Side Panel	1	1	1	0	0	0	M4	M4	M4			
122825	Back Panel	1	1	0	1	1	0						
122835	Back Panel(IEC)	1	1	1	1	1	1	M5	M5	M5	M5	M5	M5
122945	Rear Cover Strip	0	0	0	1	1	1				M6	M6	M6
122245	Rear Cover Strip	1	1	1	0	0	0	M14	M6	M14			
174318	698 Condenser	0	0	0	1	1	1				M9	M9	M9
174319	628 Condenser	1	1	1	0	0	0	M9	M9	M9			
174316	Dryer	1	1	1	1	1	1	M10	M10	M10	M10	M10	M10
	Capillary	1	1	1	1	1	1	M11	M11	M11	M11	M11	M11
134602	Refrigerant Pipework	1	1	1	1	1	1	M12	M12	M12	M12	M12	M12
184623	Door Spring Catch	0	0	0	2	2	2				M13	M13	M13
184624	Door Panel Hinge Pin	0	0	0	1	1	1				M20	M14	M20
131642	1/4" Push Fit Inlet Elbow	1	1	3	1	1	3	p17	P4	P6/C6	P18	P18	P18
	1/4"PE Tubing	0.7m	0.7m	1.3m	1.3m	1.3m	1.9m	P12	P12	P12			P15
184626	Compressor Mount Sleeve	1	1	3	1	1	3				P16	P17	P16
184628	1/4" push-Fit Inlet Connector	1	1	1	1	1	1	P6	P6	P17	P19	P11	P19
131422	1/4" Inlet Connector Back Nut							P14	P14	C7			P20
	Fiter Bracket	0	0	0	1	1	1				M21		M21
133413	Faucet	0	0	1	0	0	1			P9			P9
131575	Faucet Seal	0	0	2	0	0	2			P10			P10
131643	1/4" Stem Elbow	0	0	2	0	0	2			P13			P13
131644	1/4" Push-Fit 4 way Joint	0	0	1	0	0	1			P4			P17
	Solenoid Valve Bracket	0	0	1	0	0	1			M16			M22
171203	PCB-Hot 92NTC	0	1	0	0	1	0		E1a				
171202	PCB-Hot87TC	0	1	0	0	1	0		E1			E1	
171201	PCB Cold	1	0	0	1	0	0	E1		E1	E1		
171204	PCB-DC	0	0	1	0	0	1						E1
173251	Cold Thermostat	1	1	1	1	1	1	E2	E2	E2	E2	E2	E2
	Elec Rocker Switch	1	2	1	1	2	1	E5	E3	E5	E5	E3	E5
174321	10A Fuse	0	1	0	0	1	0		E5			E5	
174315	Fuse Holder	0	1	0	0	1	0		E4			E4	
174313	Compressor	1	1	1	1	1	1	E4	E7	E4	E4	E7	E4
	Compressor Shelf	0	0	0	1	1	1						
172152	IEC Power Cord Set	1	1	1	1	1	1	E10	E13	E11	E11	E13	E11
172154	Hot NTC Main Wiring Loom	0	1	0	0	1	0		E9	E3		E9	
172156	Cold Main Wiring Loom	1	0	0	1	0	0	E3		E3	E3		
172158	DC Main Wiring Loom	0	0	1	0	0	1						E3
172153	Hot TC Main Wiring Loom	0	1	0	0	1	0						
172159	Fuse Wiring Loom	0	1	0	0	1	0		E10			E10	
172161	IEC Wiring Loom	1	1	1	1	1	1	E8	E8	E8	E8	E8	E8
172162	IEC Socket	1	1	1	1	1	1	E7	E11	E7	E7	E11	E7
172157	Earth Loom	1	1	1	1	1	1	E9	E12	E9	E9	E12	E9

Azure Part No.	Azure Ref	QTY 628			QTY 698			Exploded Diagram Reference					
		C&A	H&C	DC	C&A	H&C	DC	CW628	628H	628DC	698	698H	698DC
173254	DC Solenoid Valve	0	0	1	0	0	1			E10			E10
182371	M4x6 Bolt (Cold Thermostat)	2	2	2	2	2	2	E6	E6	E6	E6	E6	E6
165230	Cold Reservoir Set	1	1	0	1	1	0	C1	C1		C1	C1	
	Cold Reservoir Set												
	Cold Tank Shelf	1	1	1	1	1	1						
167240	DC Cold Tank Set	0	0	1	0	0	1			C2			C2
133416	DC Cold Tank Lid	0	0	1	0	0	1			C1			C1
133415	DC Cold Tank Inner Lid	0	0	1	0	0	1			C3			C3
135721	DC Cold Tank Lid insulation	0	0	1	0	0	1			C4			C4
134601	DC Cold Coil	0	0	1	0	0	1			C5			C5
	1/4"PE Tubing	0.7m	0.7m	1.3m	1.3m	1.3m	1.9m	P12	P12	P12			P15
132451	DC Tank Non-return Valve	0	0	1	0	0	1			C9			C9
	DC Push-Fit joint Clip	0	0	2	0	0	2			C10			C10
	Insulation Sleeve	0	0	1	0	0	1			C12			C12
135725	Insulation Sleeve	0	0	1	0	0	1			C15			C15
124951	Reservoir Baffle Plate	1	1	0	1	1	0	C2	C2		C2	C2	
	Reservoir Connector	1	1	0	1	1	0	C4	C4	R7	C4	C4	R7
	Reservoir Top Seal	1	1	0	1	1	0						
131577	Reservoir Connection Seal	1	1	0	1	1	0	C5	C5		C5	C5	
135727	Reservoir Insulation Sleeve	1	1	0	1	1	0	C7	C7		C7	C7	
135726	Reservoir Insulation Sleeve	1	1	0	1	1	0	C8	C8		C8	C8	
	Insulated Tape	1	1	0	1	1	0	C9	C9		C9	C9	
135727	Cold Insulation Sleeve	1	1	0	1	1	0	O2	C11		C11	C11	
135724	Ambient Insulation Sleeve	1	0	0	1	0	0	C13			C13		
134583	Cold Water Pipe	1	1	0	1	1	0	C10	C10		C10	C10	
134582	Ambient Water Pipe/Hot Tank Drain Pipe	1	0	0	1	1*	0	C12			C12		
134581	DC Tank Pipe	0	0	1	0	0	1			C18			C16
154523	Hot Water Pipe/DC Tank Pipe	0	1	*1	0	1	*1		H11	C16		H11	C18
131424	DC Tank Pipe Connector	0	0	1	0	0	1			C17			C17
154522	Hot Vent Pipe	0	1	0	0	1	0						
154521	Hot Vent Pipe	0	1	0	0	1	0		H10			H10	
154524	Hot Tank Feed Pipe	0	1	0	0	1	0		H9			H9	
154526	628 Hot Tank Drain Pipe	0	1	0	0	0	0		H8				
154525	Hot Vent Pipe Fitting	0	1	0	0	1	0						
	Hot Vent Pipe cover	0	1	0	0	1	0						
151543	Hot Vent Filter	0	1	0	0	1	0						
	628 Drain Bung	0	0	1	0	1	1		H12				
154411	698 Hot Tank/DC* Drain outlet	0	0	1*	0	1	1*			R7		H13	
151544	698 Hot Tank/DC* Drain Bung	0	0	1*	0	1	1*			R8		H14	R8
183242	698 Hot Tank/DC* Drain Nut	0	0	1*	0	1	1*			R9		H12	R9
	Hot Tank (Only)	0	1	0	0	1	0						
172311	Heater Element	0	1	0	0	1	0		H6			H5	
173252	Thermistor Probe	0	1	0	0	1	0						
173253	Thermistor Sleeve	0	1	0	0	1	0						
173255	105c Hot Tank Over-heat cut out	0	1	0	0	1	0						
166870	Hot Tank Complete(87)	0	1	0	0	1	0						
173262	Thermistor Probe Complete	0	1	0	0	1	0						
166872	Hot Tank (Only)	0	1	0	0	1	0					H1	
173258	82C Hot Tank Thermostat	0	1	0	0	1	0		H2			H2	
173259	90C Hot Tank Thermostat	0	1	0	0	1	0						
	97C Hot Tank Thermostat	0	1	0	0	1	0						
173254	90-97C Temperature Sensor	0	1	0	0	1	0						
173257	92C Hot Tank Overheat Cut-Out	0	1	0	0	1	0		H3			H3	
173261	96C Hot Tank Overheat Cut-Out												
173450	90/97 Upgrade Kit	0	1	0	0	1	0						
173250	82/92C Upgrade Kit	0	1	0	0	1	0						
133414	DC Header Tank	0	0	1	0	0	1			R1			R1
133418	DC Header Tank Lid	0	0	1	0	0	1			R2			R2
133417	DC Header Tank Bracket	0	0	1	0	0	1			R4			R4
134584	Dc Header Tank Drain Pipe (200m)	0	0	1	0	0	1			R6			R6
	DC B&O Label	0	0	1	0	0	1			O1			O1
191142	Cold B&O Label	1	0	0	1	0	0	O1			O1		
191143	Hot B&O Label	0	1	0	0	1	0		O1			O1	
132458	Reservoir Float Valve (Side -type Nut)	1	1	0	1	1	0			R3			R3
132452	Float Valve Connector (For Side ype Nut)	1	1	0	1	1	0						
183241	Back Nut	1	1	0	1	1	0						
132456	Reservoir Float Valve (Side Type Push Fit)	1	1	1	1	1	1	O3	O3			O3	
132453	Float Valve connector (For Side Type-Push Fit)	1	1	1	1	1	1						
	Washer	1	1	1	1	1	1						
	Back Nut	1	1	1	1	1	1						
132454	Reservoir Float Valve (Lid type)	1	1	0	1	1	0	O3	O3			O3	
132454	Float Valve Bracket only (For Side type)	1	1	1	1	1	1						
132455	Float Valve Bracket only (For Lid Type)	1	1	0	1	1	0						
	Float Valve Seal	1	1	1	1	1	1						
	Clip on Tank Lid	1	1	0	1	1	0						
181124	4.0 x12 s/sPHD S/T Screw	0	0	0	6	6	6						

Azure Part No.	Azure Ref	QTY 628			QTY 698			Exploded Diagram Reference					
		C&A	H&C	DC	C&A	H&C	DC	CW628	628H	628DC	698	698H	698DC
181691	4.0x8 BA PHD S/T Screw	19	19	26	17	17	24	M8	M8	M8	M8	M8	M8
181231	4.0 X12 BZP PHD S/T Screw	7	7	11	9	9	15	M7	M14	M2/C14	M7	M17	M17
182373	M8 X 22 RHD M/Screw	0	0	0	4	4	4				M15	M15	M15
181693	4.0 x 25 BA PHD S/T Screw	0	0	0	4	4	4				M16	M16	M16
181231	3.0 x8 PHD S/T Screw	0	0	0	4	4	4		M7		M18	M18	
181121	3.0 x8PHD S/T Screw	1	1	1	*2	2*	2*			M7			M18
181581	4.0 x 12 s/s CSR S/T Screw	2	2	2	2	2	2				M19	M19	M19
182372	M5 x 8 RHD M/Screw	0	0	0	1	1	1						
	M3 x 4 RHD M/Screw	0	2	0	0	2	0						
182251	M3 x 4 RHD M/Screw	0	4	0	0	4	0		H4			H4	
182461	M4 x7 M/Screw	0	2	0	0	2	0		H7			H7	
	M4 x 7 RHD M/Screw	0	2	0	0	2	0						
181125	4.0 x 16 S/S PHD S/T Screw	0	0	6	0	0	6						
181122	4.0 x 8 PHD S/T Screw	0	0	1	0	0	1			C13			C13
181342	4.0 x 20 PHD S/T Screw	4	4	4	0	0	0	M15	M15	M15			
181692	4.0 x 16 B/A PHD S/T Screw	4	4	4	0	0	0	M13	M13	M13			
128961	698 Polystyrene Carton Base	0	0	0	1	1	1						
128261	628 Polystyrene Carton Base	1	1	1	0	0	0						
128901	698 B&O Carton	0	0	0	1	1	1						
128201	628 B&O Carton	1	1	1	0	0	0						
128902	698 Poly Bag	0	0	0	1	1	1						
128202	628 Poly Bag	1	1	1	0	0	0						
128803	628/698 Polystyrene Carton Top	1	1	1	1	1	1						
173250	87C Hot Conversion Kit												
	Silicone Drainage Tube												
171205	PCB-Hot 87C Conversion	0	1	0	0	1	0						
15142	Hot Tank Bung	0	1	0	0	1	0						

MACHINES	
CW698	Floorstanding Cold and Ambient
CW698	Floorstanding Cold and Ambient Graphite
CW698H	Floorstanding Cold and Hot Silver
CW698H	Floorstanding Cold and Hot Graphite
CW628	Countertop Cold and Ambient Silver
CW628	Countertop Cold and Ambient Graphite
CW628H	Countertop Cold and Hot Silver
CW628H	Countertop Cold and Hot Graphite
DC698	Direct Chill Floorstanding Cold and Ambient Silver
DC628	Direct Chill Countertop Cold and Ambient Silver

ACCESSORIES	
CW051	Overflow System
CWLD1	Leak Detector
W2081	Standard Cup Dispenser
CW2081	B & O Cup Dispensor
CWLVS	Level sensor
CWWB	Wall Brackets
CWSB	Sports Bottles

Technical Manual

Section 7

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Borg & Overstrom Product List

Azure Product Code	Azure Product Reference
PANELS	
120215	Front Panel 628 - Silver (with drip)
120217	Front Panel 728 - Silver
120224	Front Panel 628 - Graphite (no Drip)
120225	Front Panel 628 - Graphite (with drip)
120815	Front Panel 818 - Silver
120914	Front Panel 698 - Silver (no Drip)
120915	Front Panel 698 - Silver (with drip)
120916	Door panel - Silver
120917	Front Panel 798 - Silver
120919	Door Panel 798 - Silver
120923	Indication Panel - Graphite
120924	Front Panel 698 - Graphite (no Drip)
120925	Front Panel 698- Graphite (with drip)
120926	Door panel - Graphite
120927	Infill Front Panel - Dark Graphite
120929	Infill Door Panel - Dark Graphite
120931	Filter Blanking Panel - Graphite
121255	Side Panel 628-Left
121256	Side Panel 628-Right
121855	Side Panel 818-Left
121856	Side Panel 818-Right
121859	Side Handle
121955	Side Panel 698-Left
121956	Side Panel 698-Right
122245	Rear Cover Strip
122825	Back Panel
122835	Back Panel(IEC)
122945	Rear Cover Strip
123185	Top Cover Panel 818 - Black
123610	Bottle Conversion Kit-Silver
123620	Bottle Conversion Kit-Graphite
123721	Top Cover Panel 798 - Graphite
123815	Outer top panel - Silver (old)
123816	Outer Panel - Silver (new)

123817	Inner top Panel - Silver
123820	Outer Panel Complete-Graphite (old)
123825	Outer top panel - Graphite (old)
123826	Outer Panel - Graphite (new)
123827	Inner top Panel - Graphite
124251	Base Panel-628
124951	Base Panel-698
125811	Drip Tray Set -Silver
125821	Drip Tray Set -Graphite
125822	DC Drip Tray Set-Graphite
125827	Drip Tray Set 798 - Graphite
125831	Drip Tray Set 818 - Silver
125841	Drip Tray Grill 698
125842	Drip Tray Grill 698DC
126824	Tap Cover Panel - Graphite
126825	DC Tap Cover
127841	Compressor Shelf
127842	Reservoir Shelf
128201	B&O Carton 628
128202	B&O Carton 728
128203	Poly Bag 628/728
128261	Polystyrene Carton Base 628
128803	Polystyrene Carton Top 628/698
128901	B&O Carton 698
128902	B&O Carton 798
128903	Poly Bag 698
128961	Polystyrene Carton Base 698
128981	B&O Carton 818
COLD WATER PARTS	
131422	1/4" Inlet Connector Back Nut
131423	628 Drain Bung
131424	DC Tank Pipe Connector
131425	Reservoir Connector
131571	Float Valve Seal
131572	Drip Tray Bung
131573	Drip Tray O-Ring
131574	Condenser Panel Spacer
131575	Faucet Seal
131576	Tap Washer
131577	Reservoir Connection Seal
131578	Reservoir Top Seal

131579	Reservoir Float Valve Washer
131641	1/4" push-Fit Inlet Connector
131642	1/4" Push Fit Inlet Elbow
131643	1/4" Stem Elbow
131644	1/4" Push-Fit 4 way Joint
131645	90 degree elbow fitting (for drainage)
131646	Air Vent Elbow fitting for Clip-on Tank Lid
132451	DC Tank Non-return Valve
132452	Float Valve Connector (For Side type Nut)
132453	Float Valve connector (For Side Type-Push Fit)
132454	Float Valve Bracket only (For Side type)
132455	Float Valve Bracket only (For Lid Type)
132456	Reservoir Float Valve (Side Type Push Fit)
132457	Reservoir Float Valve (Lid type)
133411	Tank Lid
133412	Clip-on Tank Lid
133413	Faucet
133414	DC Header Tank
133415	DC Cold Tank Inner Lid
133416	DC Cold Tank Lid
133417	DC Header Tank Bracket
133418	DC Header Tank Lid
133419	Reservoir Baffle Plate
133421	
133422	
133512	Faucet
134510	DC Tank Pipe Assembly
134561	Straight Tube
134562	Straight Tube
134563	Straight Tube
134564	Straight Tube
134581	DC Tank Pipe
134582	Ambient Water Pipe/*Hot Tank Drain Pipe
134583	Cold Water Pipe
134584	DC Header Tank Drain Pipe/Silicon Tube (200m)
134585	L-Type Silicon Tube
134586	Silicon Tubing for Elite waste drainage
134601	DC Cold Coil
134602	Refrigerant Pipework
135719	Insulation Sleeve
135721	DC Cold Tank Lid insulation

135722	Insulation Sleeve
135723	Insulation Sleeve
135724	Ambient Insulation Sleeve
135725	Insulation Sleeve
135726	Reservoir Insulation Sleeve
135727	Reservoir Insulation Sleeve
135731	Reservoir Insulation Top Cover
135728	Cold Insulation Sleeve
134405	80-13 Plastic Connector Tube
132458	Reservoir Float Valve (Side -type Nut)
TAPS	
142165	Cold Tap
142264	Tap Only-no tag (Ambient/Hot)
142265	Ambient Tap
142365	Hot Tap(with Safety Tag)
143281	Ambient Water tap tag
143282	Hot Tap Safety Tag
144071	Tap Back Nut
144072	Back Nut Spanner
HOT WATER PARTS	
151542	Hot Tank Bung
151543	Hot Vent Filter
151544	698 Hot Tank/DC*Drain Bung
154411	698 Hot Tank/DC* Drain outlet
154412	Hot Vent Pipe cover
154520	Hot Vent Pipe Set
154521	Hot Vent Pipe
154522	Hot Vent Pipe
154523	Hot Water Pipe/DC Tank Pipe
154524	Hot Tank Feed Pipe
154525	Hot Vent Pipe Fitting
154526	Straight Type Silicon Tube
154527	Z-Type Silicon Tube
154528	Checking Valve
154529	628 Hot Tank Drain Pipe, 5kg reel
154531	628 Hot Tank Drain Pipe, 35mm long
TANKS	
165230	Cold Reservoir Set
166770	Hot Tank c/w HB, 1 sensor & NTC Probe
166870	Hot Tank c/w 87 TC set and heater band
166871	Hot Tank only

166872	Hot Tank c/w 87 TC set
166920	Hot Tank c/w 92TC set and heater band
167240	DC Cold Tank Set
ELECTRICAL	
171201	PCB Cold 698
171202	PCBoard
171203	PCB-Hot 92NTC
171204	PCB-DC
171211	PCB Cold 798
171212	PCB Hot 798
171221	PCB 818
172147	US 3-Pin IEC Power Cord Set
172148	European 2-Pin Power Cord Set
172149	Hardwired Power Cord set
172151	IEC Angle Power Cord Set
172152	IEC Power Cord Set
172153	Hot TC Main Wiring Loom
172154	Hot NTC Main Wiring Loom
172156	Cold Main Wiring Loom
172157	Earth Loom
172158	DC Main Wiring Loom
172159	Fuse Wiring Loom
172161	IEC Wiring Loom
172162	IEC Socket
172175	Blue LED Light 798
172176	Blue LED Light 818
172232	B&O Relays
172311	Heater Element
172312	Heater Element - 110V
173246	Solenoid Valve CW - Cold
173247	Solenoid Valve CW/DC - Hot/Ambient
173248	Solenoid Valve (Old) DC - Cold
173249	Solenoid Valve (New) DC - Cold
173250	Hot Upgrade Kit 82C/92C (87C)
173251	Cold Thermostat
173252	Thermistor Probe complete
173253	Thermistor Sleeve
173254	90/97 Upgrade Kit
173255	105c Hot Tank Over-heat cut out
173256	97C Overload
173257	92C Hot Tank Overheat Cut-Out

173258	82C Hot Tank Thermostat
173259	90C Temperature Sensors
173261	82/92 Upgrade Kit
173262	Cold Thermostat 818
173450	Hot Upgrade Kit 90C/97C (92C)
174231	Elec Rocker Switch
174310	DC Tank Pump Set
174311	Compressor Wire Cover
174313	Compressor
174314	Green Solenoid Part
174315	Fuse Holder
174316	Dryer
174317	Mains Clamp
174318	698 Condenser
174319	628 Condenser
174321	10A Fuse
174351	Cooling Fan
175271	UV Lamp 4W (T5)
175272	UV Lamp 6W(T5)
175361	UV Circulating Pump
175362	UV Pump Power Pack
171205	PCBoard- Conversion
173262	Thermistor Probe
173263	96C Hot Tank Overheat Cut-Out
FIXINGS	
181121	3.0 x 8 S/S RHD S/T Screw
181122	4.0 x 8 S/S RHD S/T Screw
181123	4.0x10 S/S RHD S/T Screw
181124	4.0 x 12 S/S RHD S/T Screw
181125	4.0 x 16 S/S RHD S/T Screw
181231	4.0 X12 BZP RHD S/T Screw
181341	3.0 x 8 YP PHD S/T Screw
181342	4.0 x 20 YP PHD S/T Screw
181581	4.0 x 12 S/S CSK S/T Screw
181691	4.0x 8 BA RHD S/T Screw
181692	4.0 x 16 BA RHD S/T Screw
181693	4.0 x 25 BA RHD S/T Screw
182251	M3 x 4 BZP RHD M/Screw
182371	M4 x 7 YP PHD M/Screw
182372	M5 x 8 YP PHD M/Screw
182373	M8 X 22 YP PHD M/Screw

182461	M4 x7 S/S PHD M/Screws
183241	Back Nut
183242	698 Hot Tank/DC Drain Nut
184531	Adjustable Foot for 798/728
184541	Fixture Sheet for Cup Dispenser
184542	Spring Cover for Cup Dispenser
184543	Rubber Sheet for Cup Dispenser
184622	Door Magnetic Catch
184623	Door Spring Catch
184624	Door Panel Hinge Pin
184625	Solenoid Valve Bracket
184626	Compressor Mount Sleeve
184627	Compressor Mounting
184628	Inserts for Pipe-QC Fitting 698
184629	Cap for unused air vent
184631	Miscellaneous fittings
191141	DC B&O Label
191142	Cold B&O Label
191143	Hot B&O Label
191151	Elite (798) Cold & Ambient Label
191152	Elite (798) Cold & Hot Label
191161	B&O 818 Label
191191	Please remove carbon pack.. Label
191192	Please make sure hot water tank...Label
192131	B & O Cup Dispenser
192132	Cup Dispenser - Plain
192241	Cup Dispenser - Odd Parts
192242	Sports Bottles - Borg & Overstrom
192243	Sports Bottles - Ice Cool
192244	Sports Bottles - Happy Days
192245	Sports Botttles - Plain
193179	Waste Kit - Elite
193181	Waste Kit - Classic
193182	Leak Detector
193183	Level sensor - Classic
193184	Level Sensor - Elite
193221	CO2 Regulator
193251	Carbon Bag
194102	Wall Brackets silver (per pair)
194103	Wall Brackets graphite (per pair)

MACHINES	
105910	Floorstanding Cold and Ambient Silver
105920	Floorstanding Cold and Ambient Graphite
106910	Floorstanding Cold and Hot Silver
106920	Floorstanding Cold and Hot Graphite
105210	Countertop Cold and Ambient Silver
105220	Countertop Cold and Ambient Graphite
106210	Countertop Cold and Hot Silver
106220	Countertop Cold and Hot Graphite
107910	Direct Chill Floorstanding Cold and Ambient Silver
107210	Direct Chill Countertop Cold and Ambient Silver
104910	Elite Floor Standing Cold and Ambient Silver
104110	Elite Floor Standing Cold and Hot Silver
104210	Elite Countertop Cold and Ambient Silver
104310	Elite Countertop Cold and Hot Silver
104410	Elite Direct Chill Floorstanding Cold and Ambient Silver
104610	Elite Direct Chill Floorstanding Cold and Hot Silver
104710	Elite Direct Chill Floorstanding Cold and Sparkling
104510	Elite Direct Chill Countertop Cold and Ambient Silver
104615	Elite Direct Chill Countertop Cold and Hot Silver
103210	S-Line Countertop Cold and Ambient Silver
103215	S-Line Countertop Cold and Hot
103310	S-Line Countertop Cold and Sparkling, Direct Chill
103910	S-Line Base Cabinet Silver
112910	Breakstation for 798
109910	Floorstanding cold and ambient 110V Silver
109920	Floorstanding cold and ambient 110V Graphite
109810	Floorstanding cold and hot 110V Silver
109820	Floorstanding cold and hot 110V Graphite
109210	Countertop Cold and Ambient 110V Silver
109220	Countertop Cold and Ambient 110V Graphite
109610	Countertop Cold and Hot 110V Silver
109610	Countertop Cold and Hot 110V Graphite
104810	Elite Floor Standing Cold and Hot Sparkling Silver
105810	Floorstanding Cold and Sparkling Silver
106810	Floorstanding Cold and Hot, Sparkling Silver
108910	Floorstanding Cold and Ambient UV Silver
107915	Direct Chill Floorstanding Cold and Sparkling

RETURNS NOTE

Azure Service No:

IMPORTANT: TO ENABLE US TO PROCESS YOUR CLAIM AS QUICKLY AS POSSIBLE, PLEASE FULLY COMPLETE ALL SECTIONS, FOLLOWING THE PROCEDURE DETAILED OVERLEAF.

CREDIT WILL NOT BE CONSIDERED UNLESS THIS NOTE IS FULLY COMPLETED AND ENCLOSED WITH THE RETURNED ITEM(S) WITHIN FOURTEEN DAYS OF THE SUPPLY OF THE REPLACEMENT ITEM.

Customer		Contact	
Address			
Tel No:		Date	/ /
Description of Parts Returned			
Item Code/Part No:			
Replacement Items Invoice No:			
FOR PARTS/ MACHINES			
Faulty Parts Removed From:			
Machine Type:		Serial No:	
Machine Purchase Date:		Inv No:	
Description of Faults/Defects:			
<i>*Please note that descriptions such as "faulty part" are not acceptable.*</i>			
Claim In / Out Guarantee (delete as appropriate)			

TO: Service Department
Azure UK
5, John Goshawk Road
DEREHAM
Norfolk
NR19 1XU

Azure Service Number:

Azure Returns Procedure

If you want to return any of your items please follow the instructions below

- An Azure Service Number must be obtained prior to returning any goods by calling Azure Service on : 0845 450 30 90.
- You will need to provide a full fault description or reason for return for any product being returned.
- The Azure Service Number MUST BE CLEARLY MARKED on the outer transit packaging of your return.
- Please use the tear off slip overleaf and enter the Azure service number (on the top and bottom of the form where indicated) and attach securely to your packaging.
- Please enclose a copy of your invoices.
- Make sure the item(s) are adequately protected to prevent any damage. Azure cannot be held responsible for any damage to goods returned without adequate protective packaging.
- Please retain courier collection receipt for your records.
- If you have any further questions or queries relating to the returns Procedure please call Azure service on the above telephone number.

Technical Manual

Section 8

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STEP-BY-STEP PROCEDURES

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Hot Tank Replacement Procedure

Tools Required

10-Ltr Bucket

1 Litre jug

***1Pt Long Blade Phillips Screwdriver (250mm blade min)**

Flat Blade Screwdriver

Side Cutters

Estimated time 20 minutes

*Preferable, otherwise a standard short bladed version can be used.

1. Switch off the two switches on back of the machine and disconnect the power lead. Isolate the mains water supply.
2. Fully drain all the water from the machine. The cold water can be drained via the Cold Tap and the hot water via both the Hot Tap and the Hot Tank drain. CAUTION-THE WATER MAY BE VERY HOT. If the tank is heavily scaled the drain may be partially or fully blocked requiring more caution. On the Floorstanding machine, the drain is on the back of the machine and on the Countertop, it is underneath.
3. Remove the two screws at the back of the top Panel and lift off.



4. Carefully remove Tap Cover Panel (as shown by first squeezing inwards and then out), and disconnect PCB



5. Remove the two screws at the top of the front panel and in the case of a Floorstanding machine, open the Door Panel and slacken off the two screws at the bottom. (You may if you prefer, remove these completely). Remove the front panel by lifting it upwards slightly first, then away keeping it clear of the taps. With a Floorstanding machine, the Door Panel will then need lifting off its lower hinge pin and setting aside.
N.B. Be careful to avoid damaging the high quality finish to the panels whilst these are removed from the machine.



6. View of the Hot Tank inside the machine.



7. At this stage, determine which type of Hot Tank is fitted.



a) **Internal Element Tank**
(Discontinued-Can be retrofitted all with newer types.)



b) **Thermistor Probe Tank**
(NB. External sensor mountings may vary)



c) **External Thermostat Tank** (Can also be retrofitted to earlier Models-for upgraded Procedure , see separate Technical Guide)

8. Carefully disconnect the four silicone rubber pipes and the Thermistor Probe if applicable.

9. Remove the two screws holding the Hot Tank and carefully ease the Tank out of the machine as far as the electrical connections allow.



Top Bolt

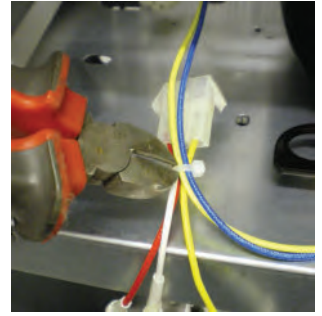


Bottom Bolt

10. Carefully disconnect the spade terminals from the external sensor(s) on the Hot Tank.



11. Disconnect the heater power block, carefully remove the tie wrap (with cutters) and remove the Tank.



12. Before fitting the new Hot Tank, ensure the Heater Element is securely fitted (as shown) and depending on the replacement Hot Tank type, either with one or two of the external sensors. (On the Thermistor Probe Tank, the single reset type Overheat cut-out is fitted to the bottom position).



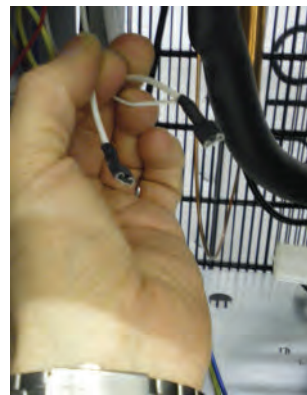
13. Reconnect the heater power block, fitting a new tie wrap as necessary. Reconnect the spade terminals onto the external sensors as follows:

Top Sensor

Single large white wire and pair of large white/small white wire.

Bottom Sensor

Pair of large red/ small red wire and pair of large white wires.



Top sensor



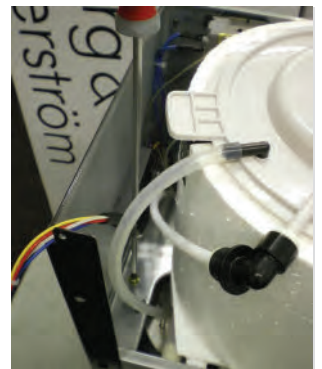
Bottom sensor

14. Carefully reconnect the silicone rubber pipes, connecting as fully as possible. Connect new thermistor probe / cover cap to side of Tank as applicable.

15. Secure new Tank in position with two bolts.



Top bolt



Bottom bolt

16. Check all pipes and wiring is connected before turning water on again.

17. Refit front panel, engaging with top hinge pin of Door Panel and Top Cover.

18. Wait until water can be dispensed from both taps before switching heating and cooling circuits on.

In the event of any queries, please call our Technical Helpline on 01362 656927

Procedure for Upgrading Hot Water Temperature Control System



Tools required: PH1 Philips Screwdriver
Part required: B & O Hot Upgrade Kit

Fig 1.

Remove Top Lid of the cooler and then carefully remove the Tap Cover from the front panel by squeezing and then lifting off away from front.



Fig 2.

Disconnect both large and small plugs.

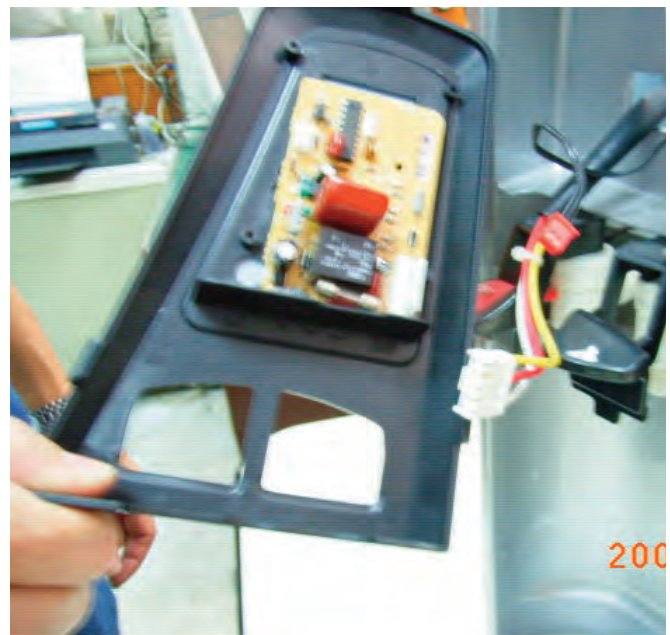


Fig 3.

Remove the existing circuit board.



Fig 4.

Replace with new circuit board, as supplied.

**Fig 5.**

Remove screws holding condenser and very carefully ease condenser away as shown below in Fig 6.

**Fig 6.**

Access now possible to Hot Tank.



If also replacing Hot Water Tank follow **Hot Water Tank Replacement Procedure** sections 7-15 at this stage.
(This may then mean some of the following stages of this procedure are already covered there).

Fig 7.

Remove the Thermistor Probe (with black wire) complete with the clear silicone rubber holder.



Fig 8.

Bung hole with cap, as supplied.



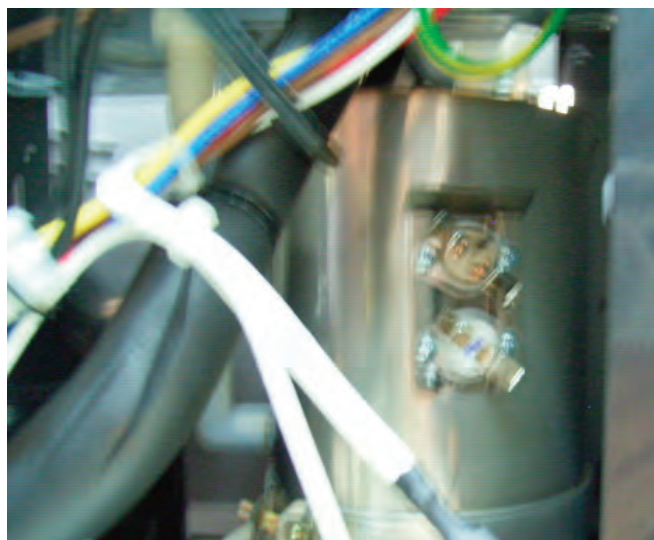
Fig 9.

Remove the existing Overload Thermostat.



Fig 10.

Fit new Overload Thermostat (with button) to top position and Thermostat (without button) to bottom. Ensure that the white Heat Transfer Paste is already applied to the back of the thermostats before fitting.

**Fig 11.**

Reconnect the original Overload Thermostat wiring to the top overload Thermostat.

**Fig 12.**

Take new wiring loom and feed the end with plastic plug up from the back.



Fig 13.

Feed out of hole in front panel ready to plug onto new circuit board.



Fig 14.

Attach the two connectors on the other end to each of the terminals on the bottom Tank Thermostat.

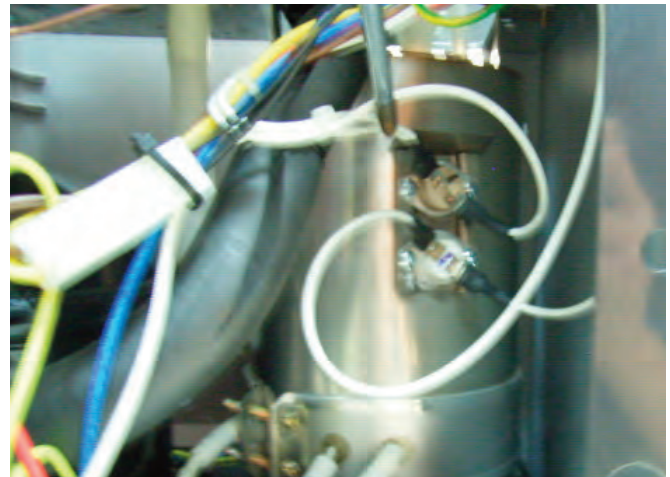


Fig 15.

Refit condenser panel.



Fig 16.

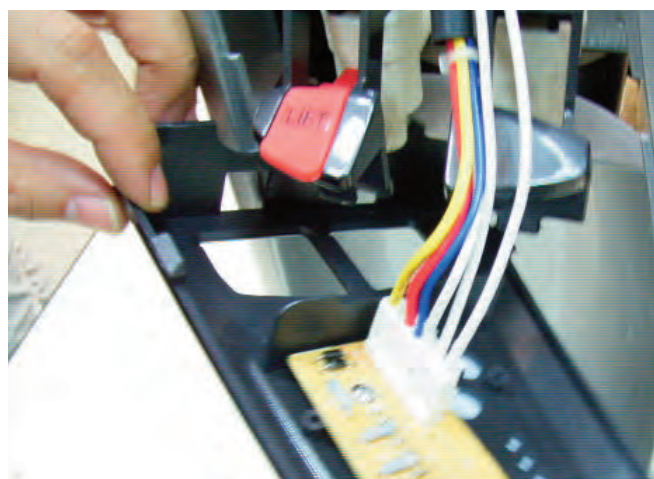
Draw out inlet end of water pipe tubing from back of machine, leaving attached at inlet valve end.

**Fig 17.**

Carefully rotate push fit elbow half a full turn clockwise and re-route water pipe tubing around right hand side of tank and down and out of rear of machine.

**Fig18.**

Connect the plastic plug onto the new circuit board already fitted to the Tap Cover. Refit the Tap Cover by locating the top and right side lugs first followed by squeezing the cover to locate the left side lug. Refit the Top Cover to the cooler and check the electrical operation. All LEDs should light.



IF TESTING PRIOR TO INSTALLATION, ONLY TEST RUN COOLER DRY FOR A FEW SECONDS.

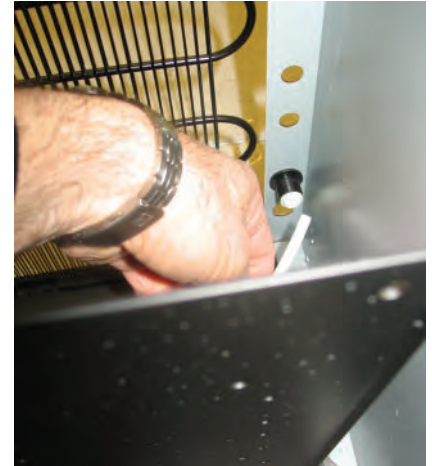
Water Tubing Replacement - Step by Step Guide



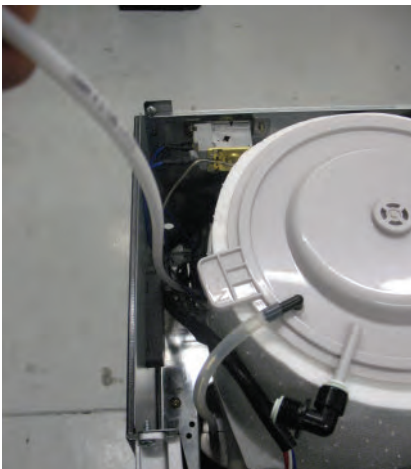
1. Remove the two retaining screws from the back of top lid and remove lid.



2. Disconnect existing white tubing from push-fit elbow on cold tank as shown.



3. Disconnect other end of existing white tubing from bulkhead fitting inside and at the back of the lower compartment.



4. Draw out the existing tubing from the top and discard.



5. Rotate the push-fit elbow one-half turn



6. Take the replacement tubing, (as supplied) and straighten one end. Insert the straightened end into the same tank shelf cut-out as the existing tube was withdrawn from, taking care to pass through to the right hand side of the existing wiring loom.

Water Tubing Replacement- Step by Step Guide continued



7. Continue to feed the end of the tube downwards and through the cut-out in the next shelf panel also, and into the lower compartment



8. Connect the tubing to the Bulkhead fitting (if required)



9. Route the replacement tube clockwise around the top tank as shown and connect to the push-fit elbow joint. AS with any push-fit joints, ensure the tubing is fully inserted into joint and gently pull back on the tubing to lock into position.



10. Refit the top lid and secure with the two screws. The task is now complete.

In the event that you have any questions or queries then please call Technical Support on 0845 450 30 90

If the Compressor does not run:

-
- ```

graph TD
 R((R))
 S((S))
 C((C))
 R --- S
 R --- C
 S --- C

```

**N.B. There should always be some variation between compressors. What should be identified is large discrepancies/unbalanced readings.**

6. Checking the relays:  
Caution: Ensure the larger relay is discharged if recently energised. (This can be discharged by 2MR, 2W resistor in the circuit).  
Clearly, the best and surest way to test the relays is to replace them one by one and check the compressor operation. Otherwise, each relay component can be basically tested using a meter  

|                                            |                               |
|--------------------------------------------|-------------------------------|
| The Solid State Relay should read approx   | 3-6 closed circuit            |
|                                            | $3 \approx 36\ \Omega$ (Ohms) |
| The Klichson (overload) should read approx | $\approx 1.7\Omega$ (Ohms)    |
7. Ensure the terminals are clean and good contact is made.



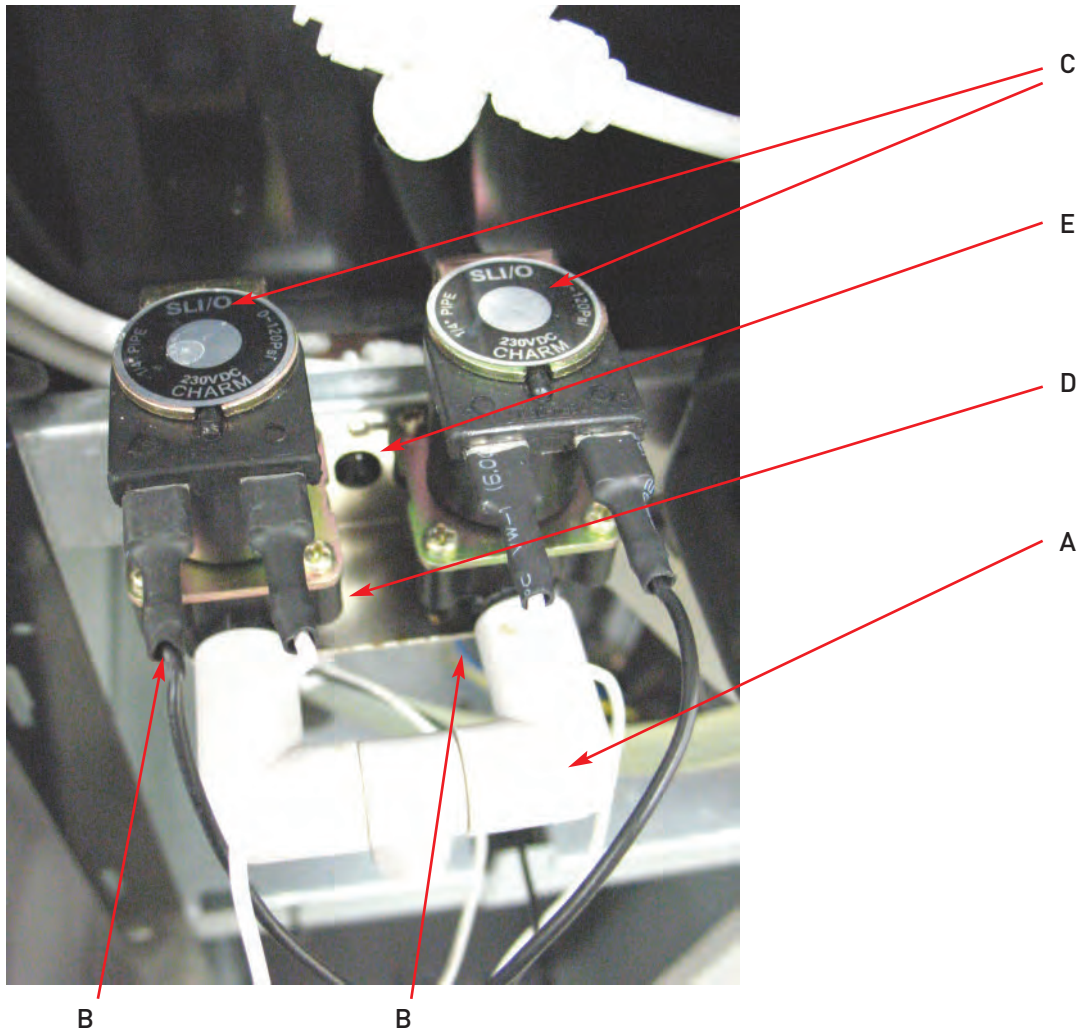
## If the Compressor Does Run

**(Presuming that the Cold water is not being cooled sufficiently)**

1. Check the small pipe on the 'high' side of the compressor. This should be quite warm after several minutes of normal operation.
2. Following it to the condenser, check the condenser temperature. Normally the beginning will be warmer, cooling off towards the end.
  - No or very low temperature could indicate a low refrigerant charge. A low current draw would indicate this. (Contact Azure Technical Support).
  - An overly high temperature could indicate a blockage; A high current draw would confirm this. (Contact Azure Technical Support).
3. Continue to follow the pipe work from the end of the condenser to the dryer.
  - A frozen / iced dryer will indicate a blockage (Contact Azure Technical Support) Again; a high current draw would confirm this.
4. The dryer exits into the capillary tube. Check this for restrictions and NB: This has a very small bore.
5. The Capillary enters the evaporator. This can be checked visually for any obvious signs of deterioration.
6. The evaporator connects back to the 'low' side of the Compressor via the suction pipes. Check this for excessive icing.

Excessive icing could indicate a refrigerant overcharge (Contact Azure Technical Support).

# Solenoid Valve Replacement



1. Turn off the water supply, press dispense buttons to release water pressure and disconnect electrical power lead.
2. Carefully remove Top Cover, Keypad Panel and Front Panel from machine
3. Pull off Faucet (A).
4. Remove Screw (B) from underside of Mounting Plate (D) securing Solenoid Valve (C) (down to Mounting Plate).
5. Remove Screw (E) securing Mounting Plate (D).
6. Using a suitable flat bladed screwdriver, depress collet ring on push-fit connection on inlet side of solenoid valve (at F) and disconnect pipe work.
7. Remove Solenoid Valve by drawing forwards and away from machine frame.
8. Refit Solenoid Valve by reversal of the above procedure. Ensure correct connection of water inlet pipe work and electrical terminals.
9. Upon completion, check correct operation and for any leaks.

## Notes

## Notes

## Notes

## Notes

## Notes

## Notes



# INSTALLATION & OPERATION GUIDE

## 628 & 698 MODELS



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